

STROBONAR



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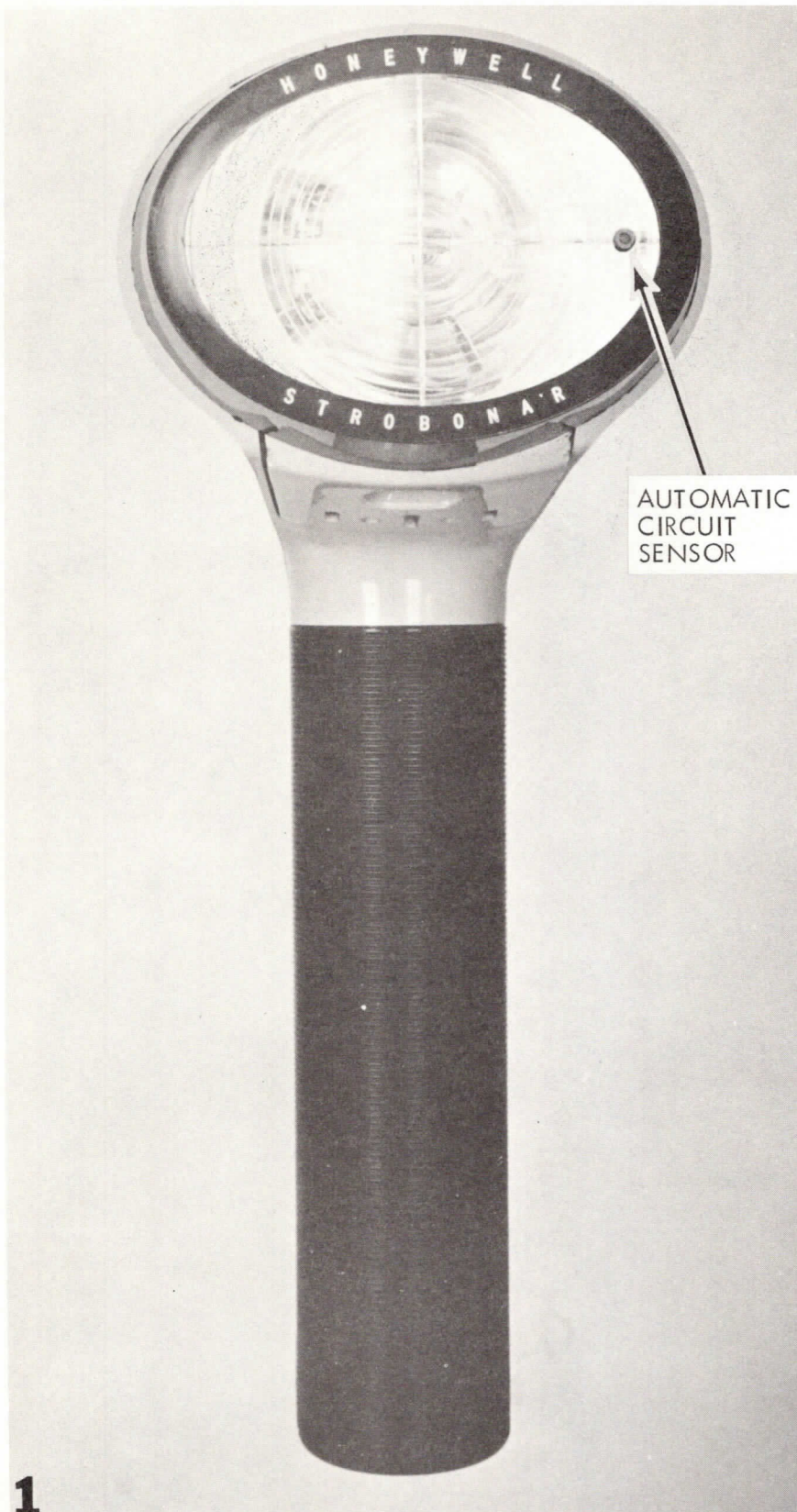
National Camera
Technical Training Division

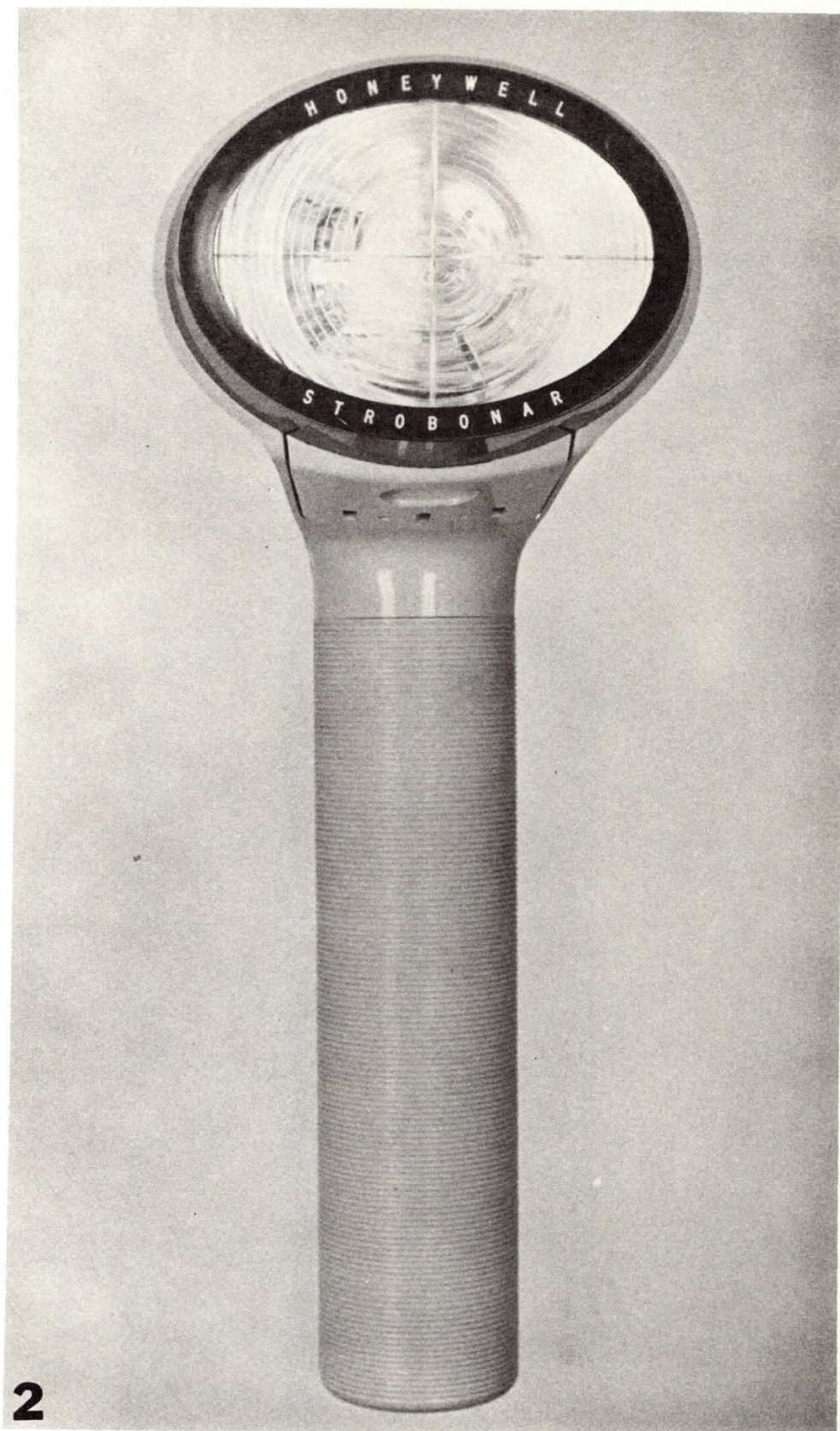
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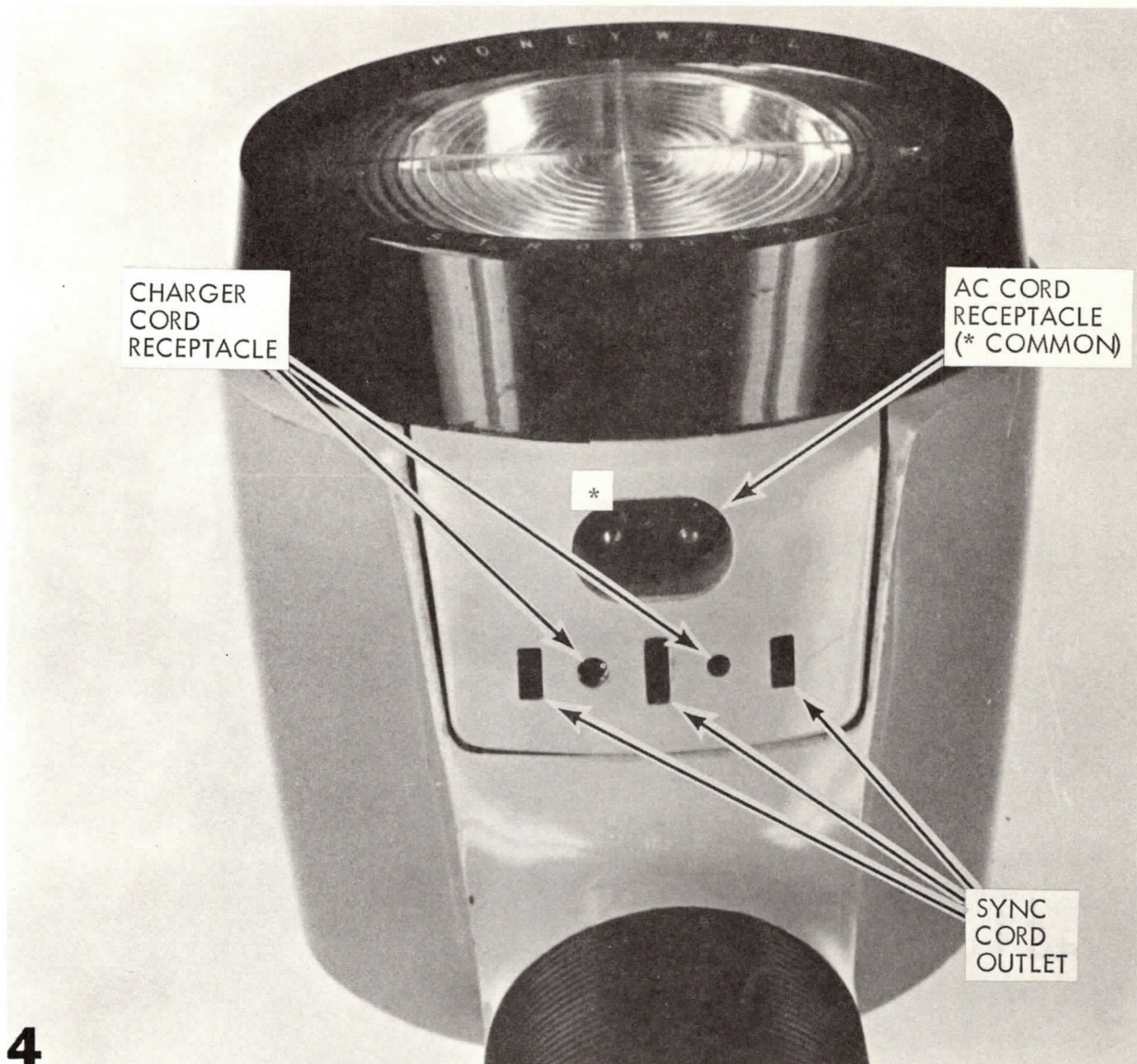


CHARGING UNIT
(660 ONLY)

NEON
VR2



3



STROBONAR 660

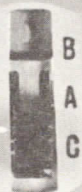
AUTOMATIC QUENCH
CIRCUIT CONTROL
SWITCH SI

EXPOSURE
DIAL



READY LIGHT

BATTERY
AC
CHG/OFF
SWITCH



STROBONAR 600

EXPOSURE DIAL

BATTERY AC CHG/OFF SWITCH

6

STROBONAR 600

EXPOSURE DIAL

BATTERY AC CHG/OFF SWITCH

6

STROBONAR 600

EXPOSURE DIAL

BATTERY AC CHG/OFF SWITCH

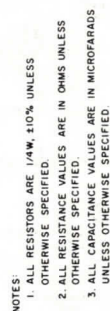
6

STROBONAR 600

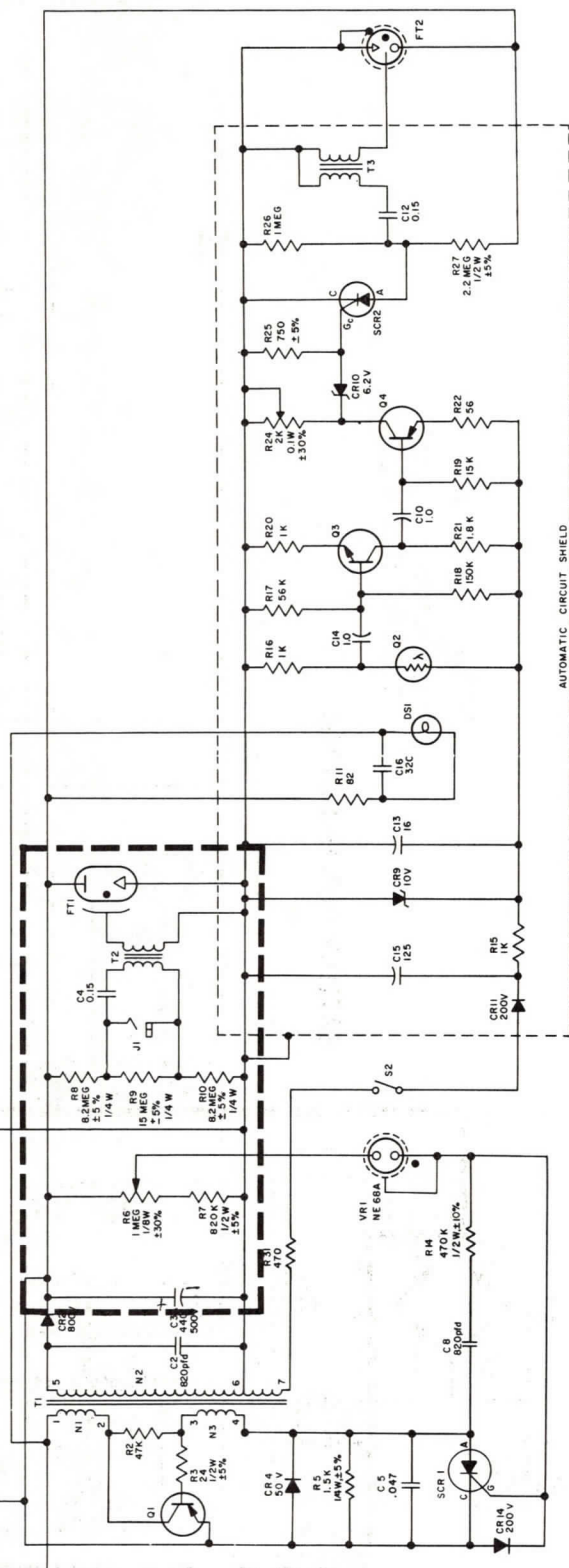
EXPOSURE DIAL

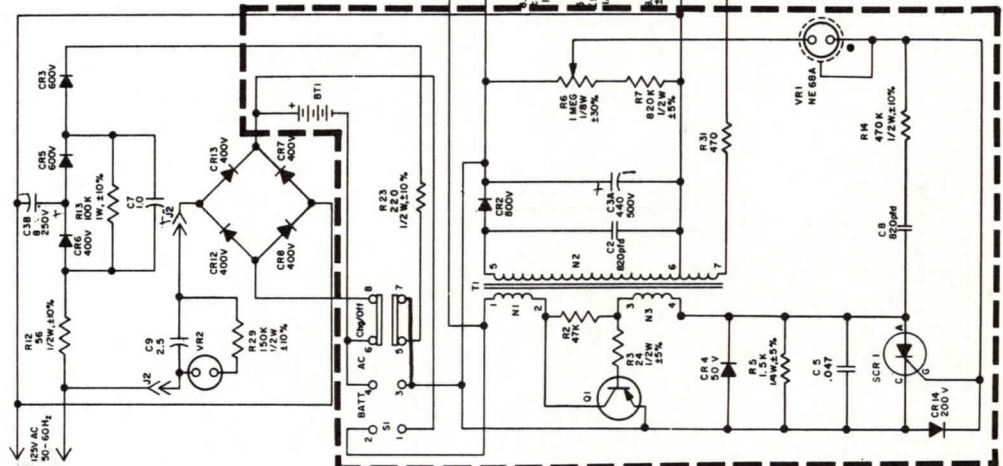
BATTERY AC CHG/OFF SWITCH

6



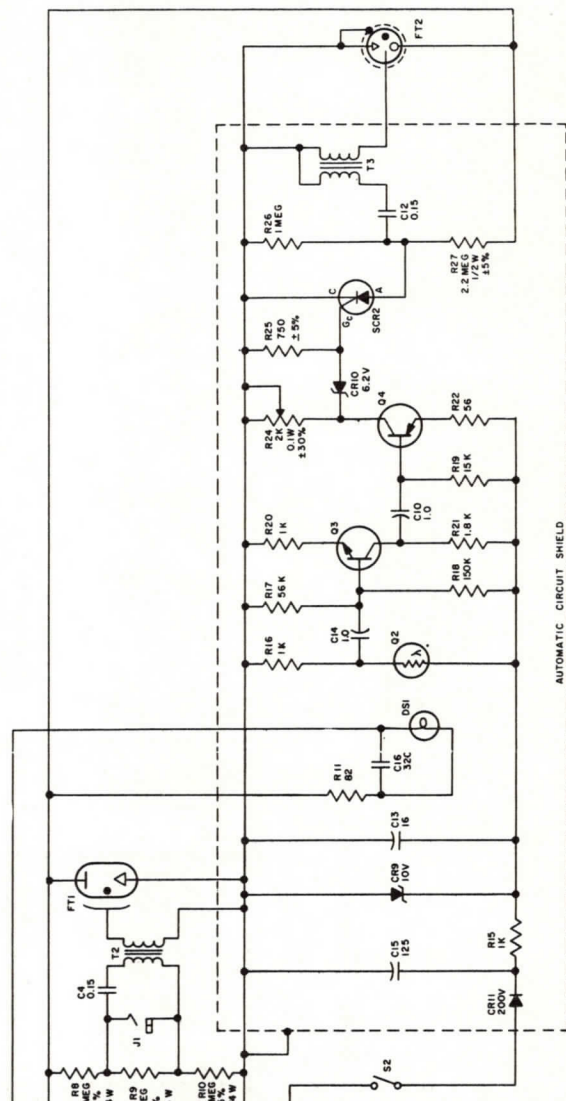
BASIC FLASH CIRCUIT



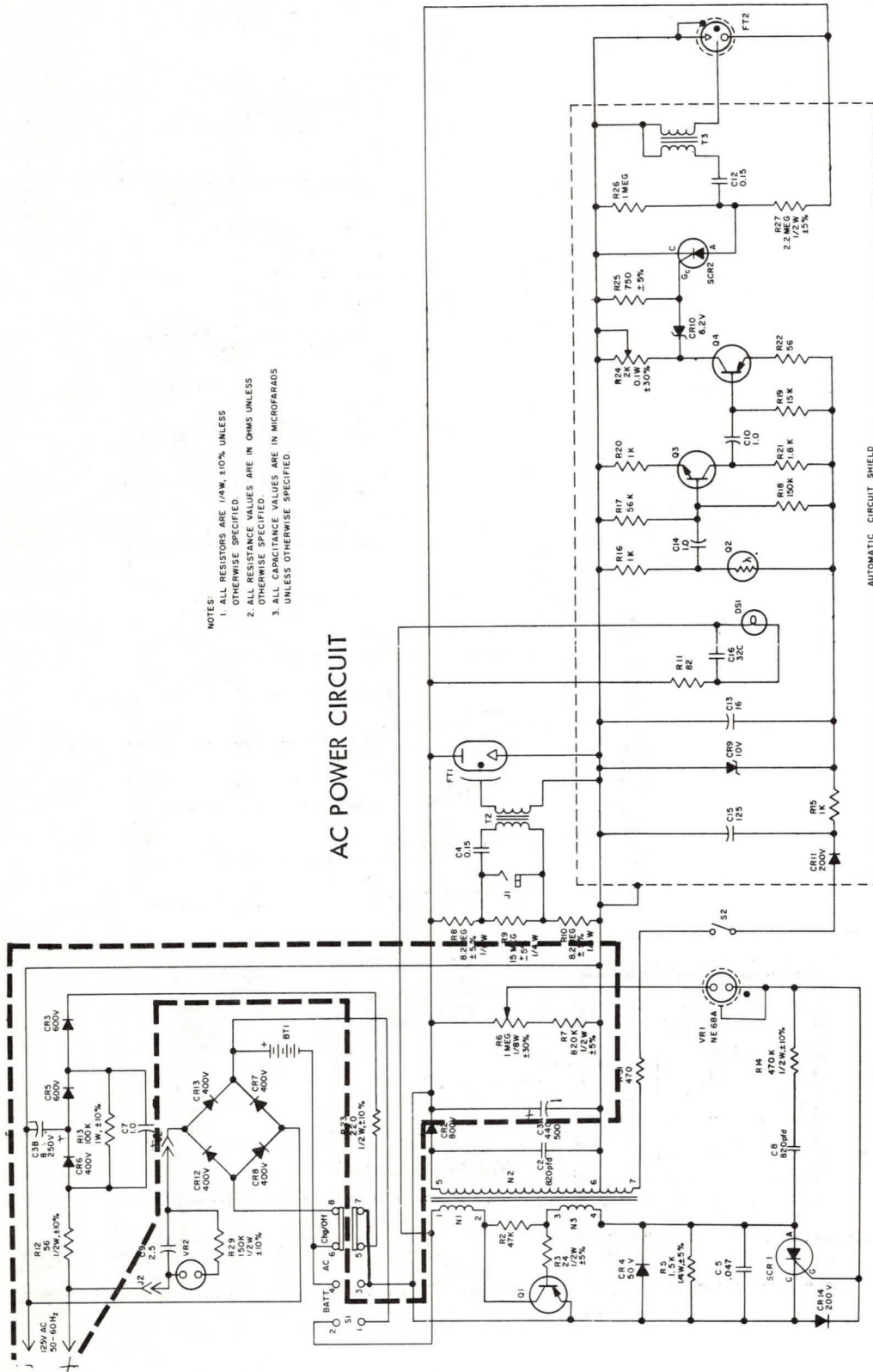


BATTERY POWER CIRCUIT

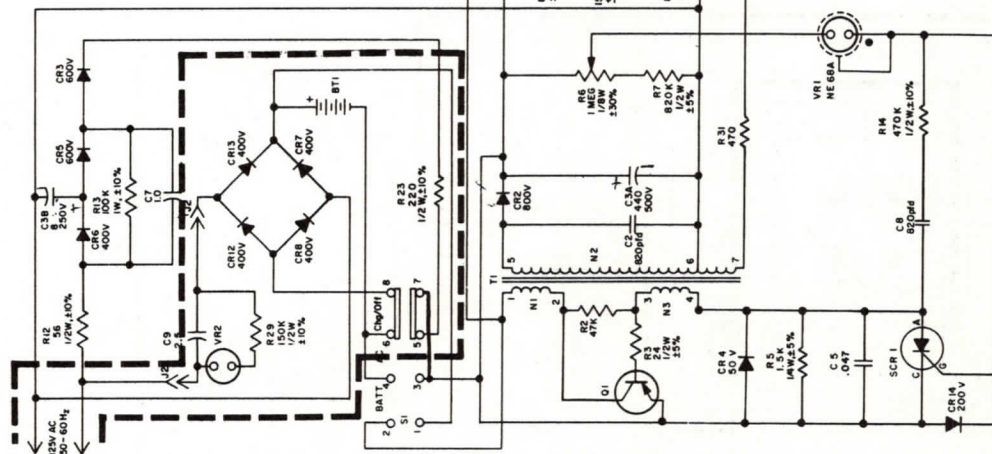
- NOTES:
1. ALL RESISTORS ARE 1/4W, 10% UNLESS OTHERWISE SPECIFIED.
 2. ALL RESISTANCE VALUES ARE IN OHMS UNLESS OTHERWISE SPECIFIED.
 3. ALL CAPACITANCE VALUES ARE IN MICROFARADS UNLESS OTHERWISE SPECIFIED.



Schematic Diagram - Strobosonar / 660

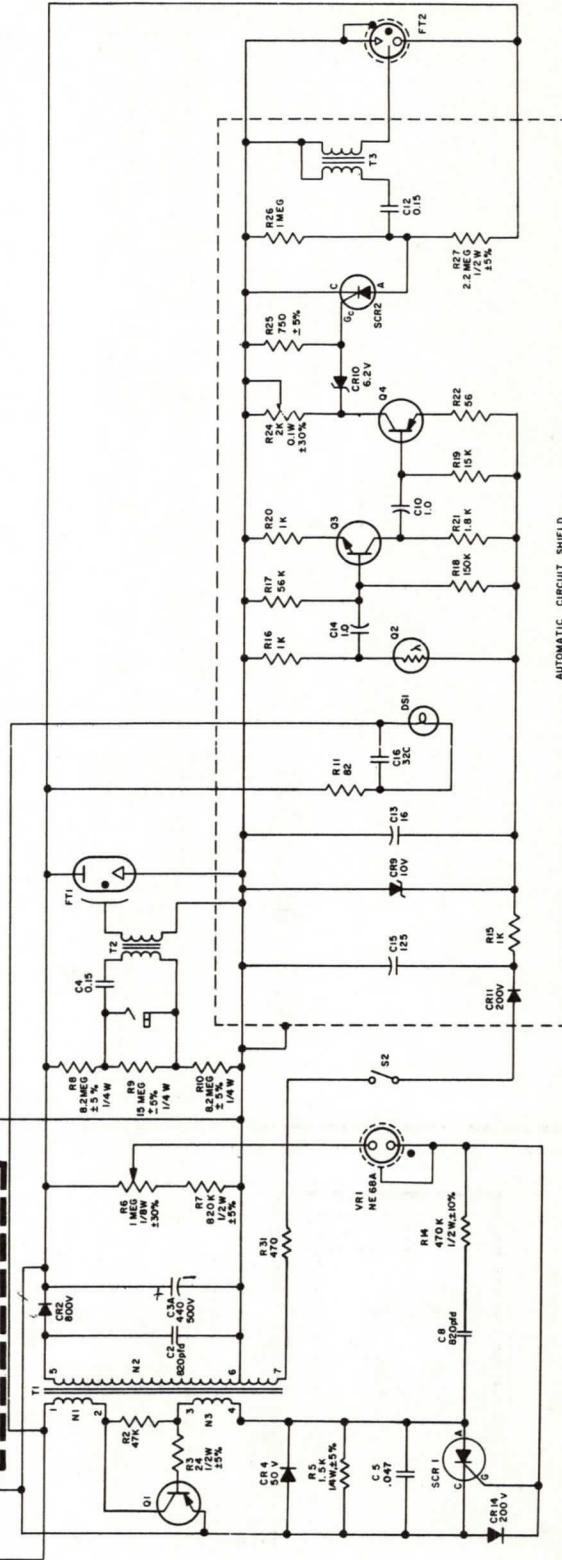


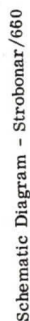
Schematic Diagram - Strobbonar/660



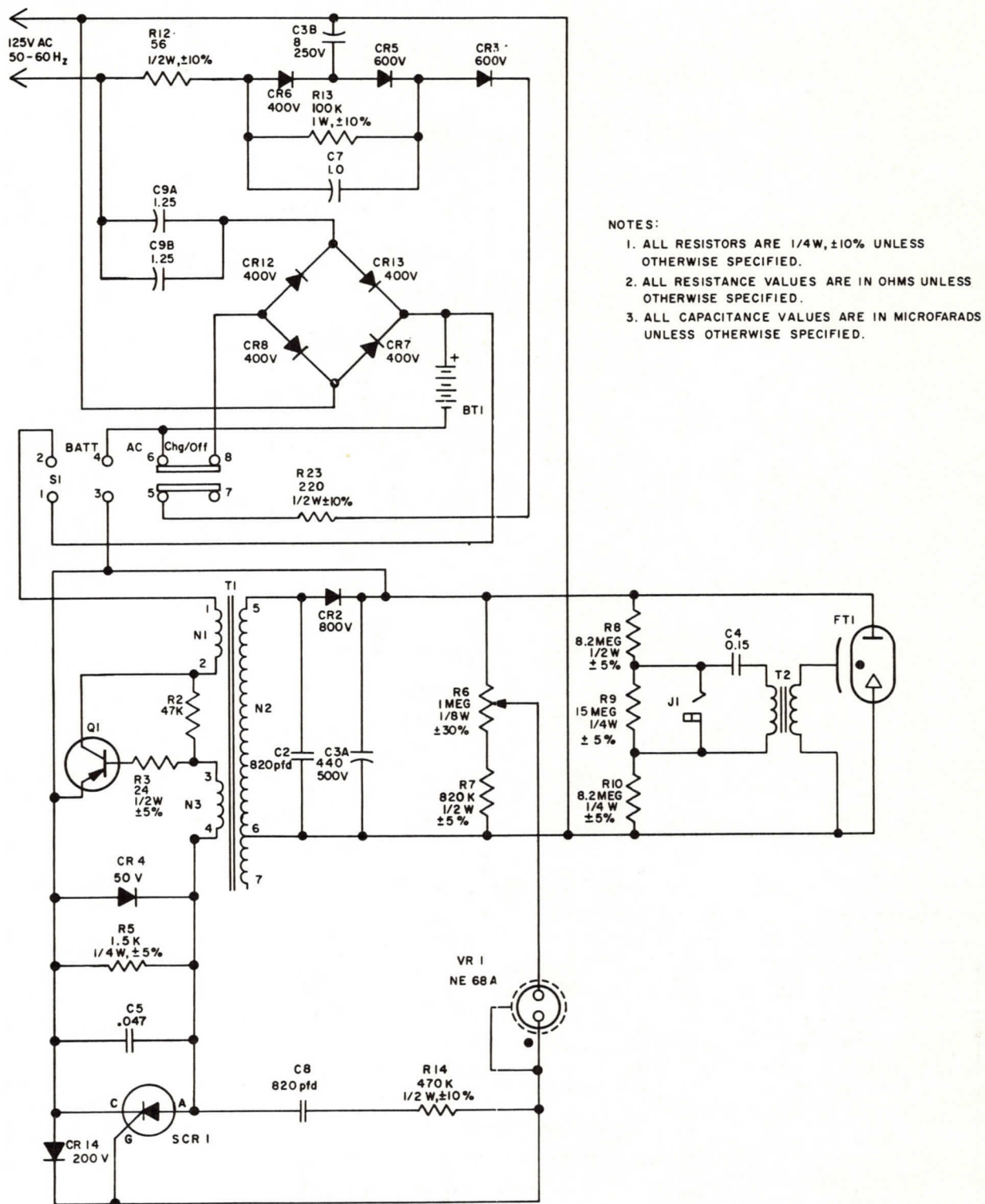
- NOTES:
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 3. ALL CAPACITANCE VALUES ARE IN MICROFARADS UNLESS OTHERWISE SPECIFIED.

BATTERY CHARGING CIRCUIT





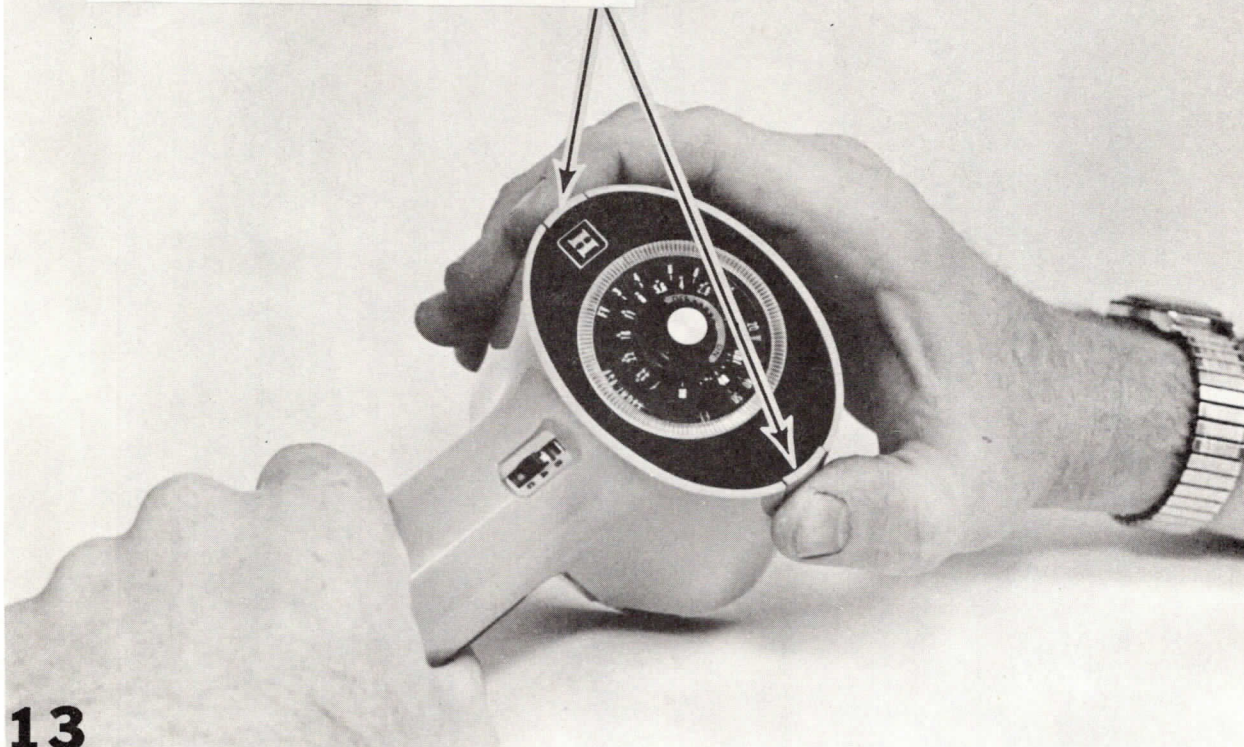
二



NOTES:

1. ALL RESISTORS ARE 1/4W, ±10% UNLESS OTHERWISE SPECIFIED.
2. ALL RESISTANCE VALUES ARE IN OHMS UNLESS OTHERWISE SPECIFIED.
3. ALL CAPACITANCE VALUES ARE IN MICROFARADS UNLESS OTHERWISE SPECIFIED.

TO REMOVE BATTERY TRAY:
1. DEPRESS BATTERY TRAY RELEASE TABS
2. SLIDE TRAY OUT



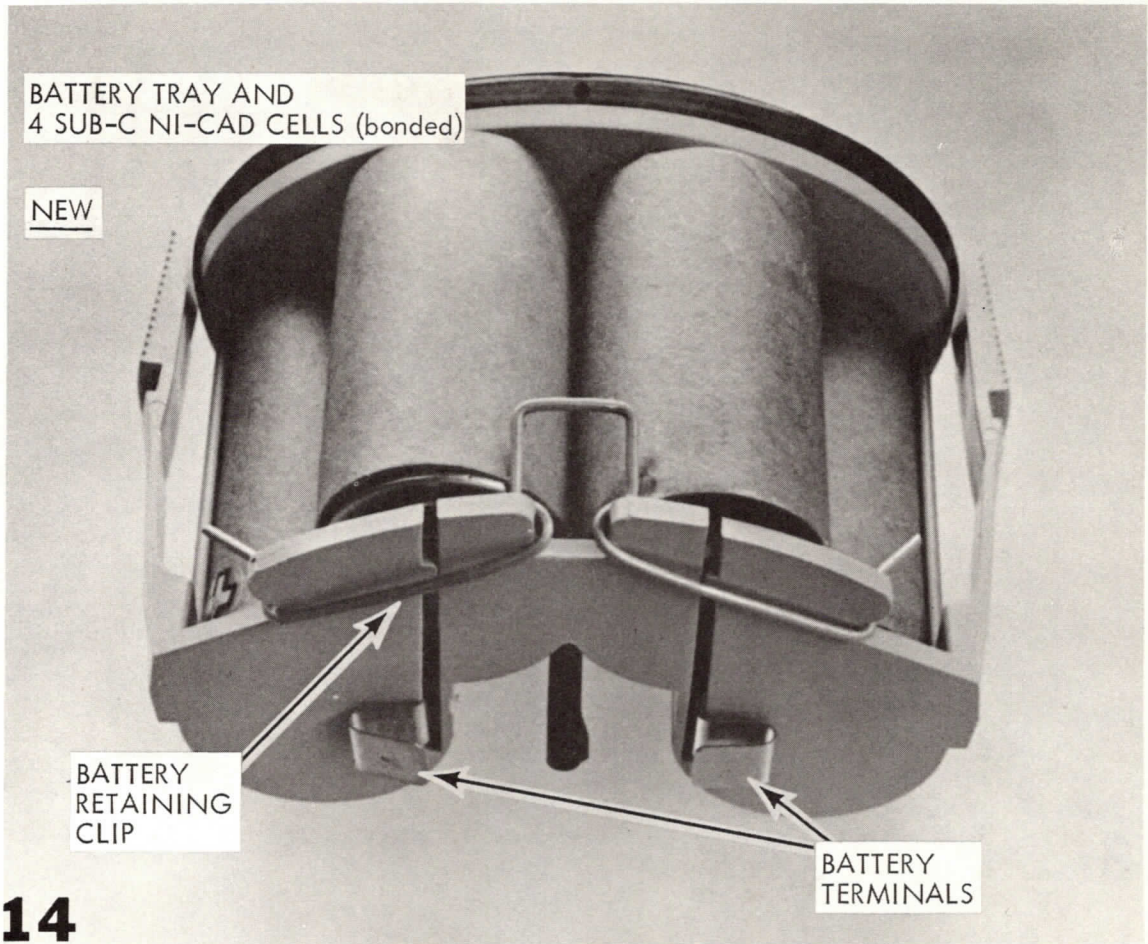
BATTERY TRAY AND
4 SUB-C NI-CAD CELLS (bonded)

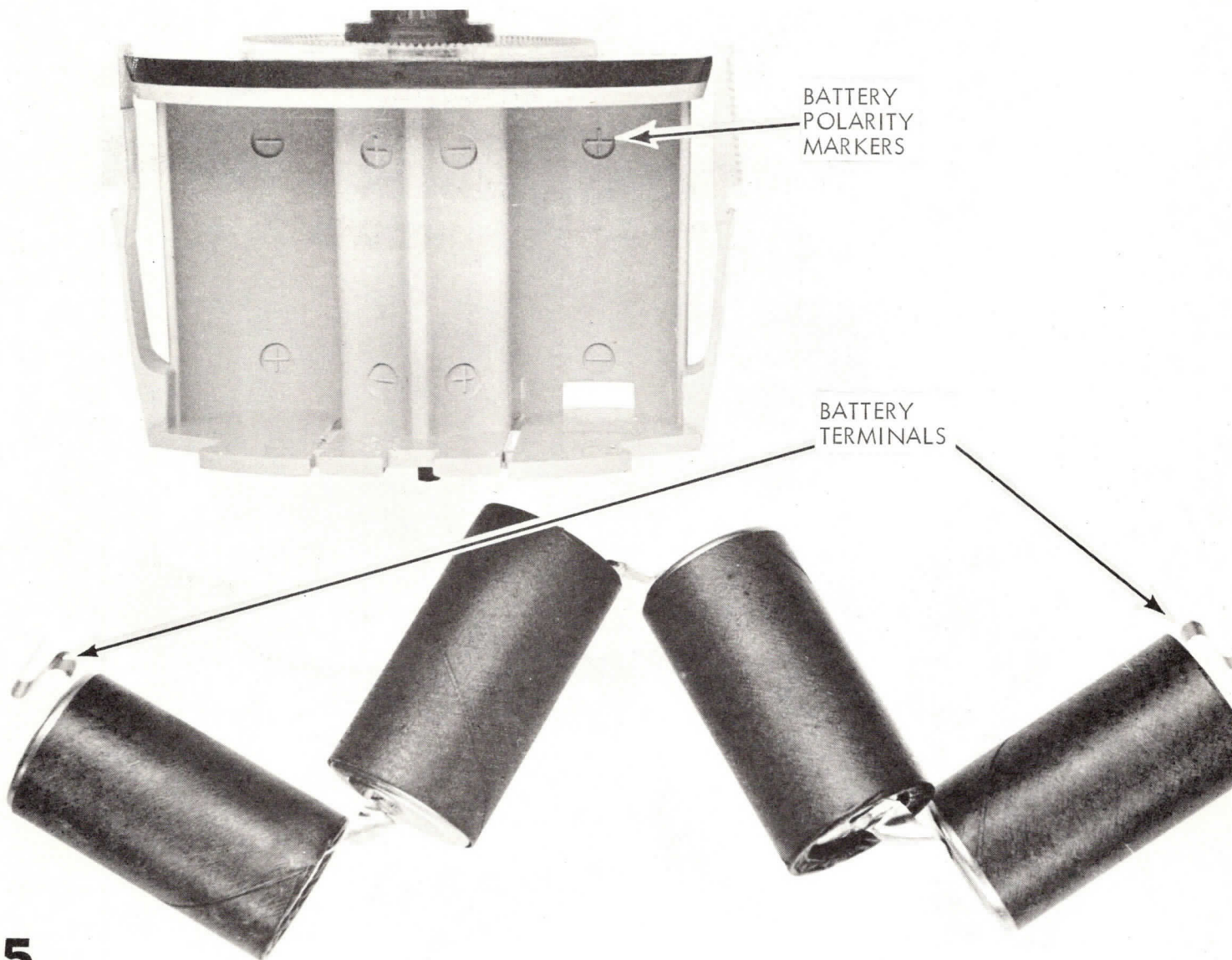
NEW

BATTERY
RETAINING
CLIP

BATTERY
TERMINALS

14



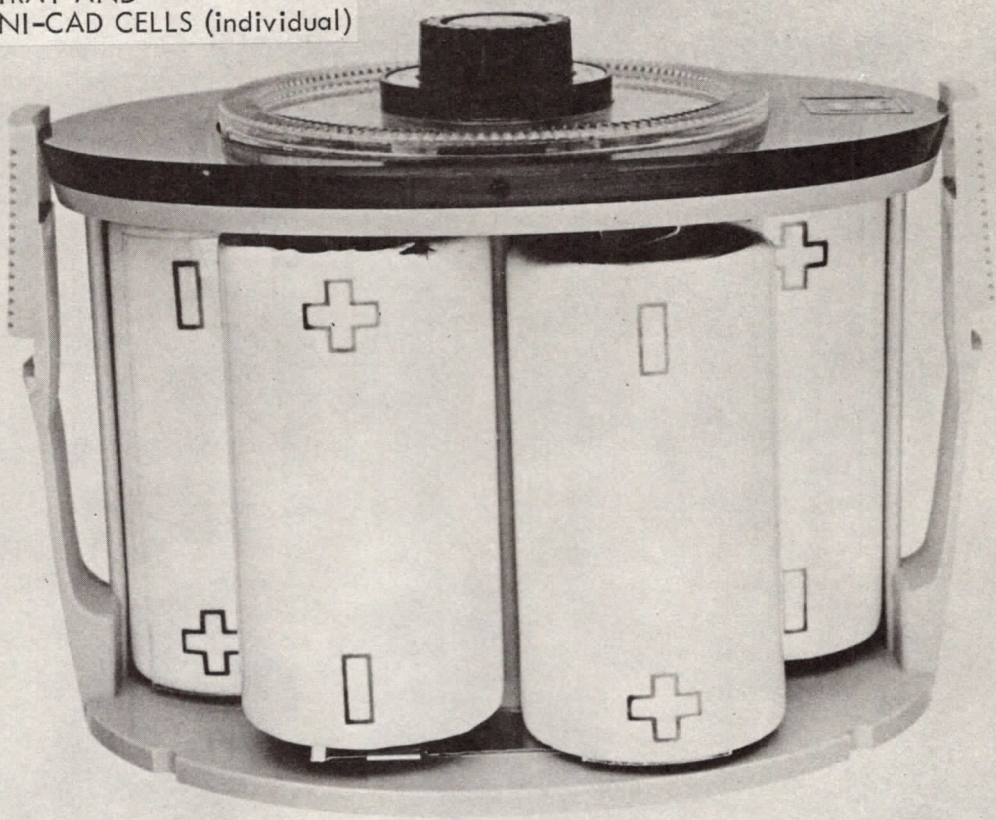


BATTERY
POLARITY
MARKERS

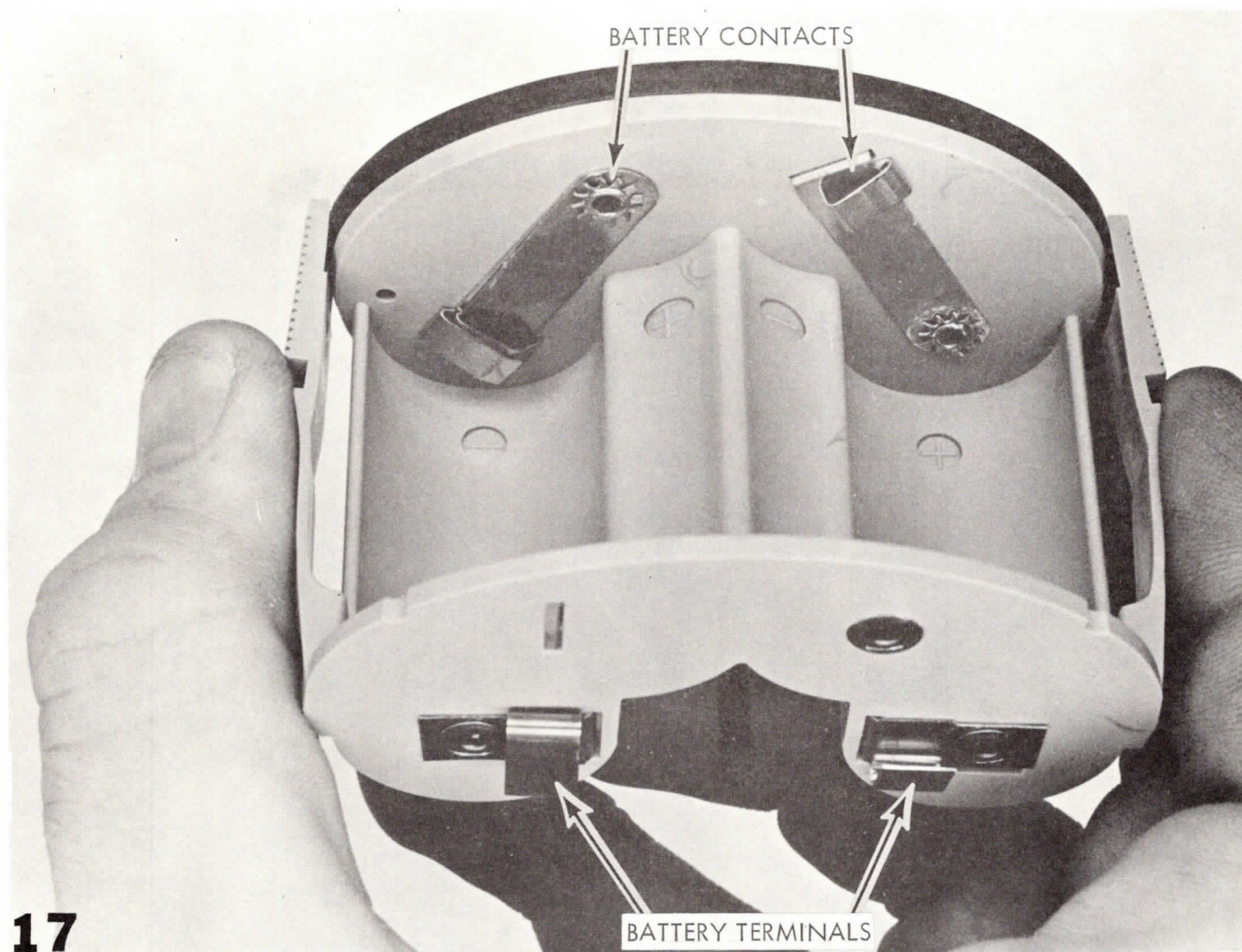
BATTERY
TERMINALS

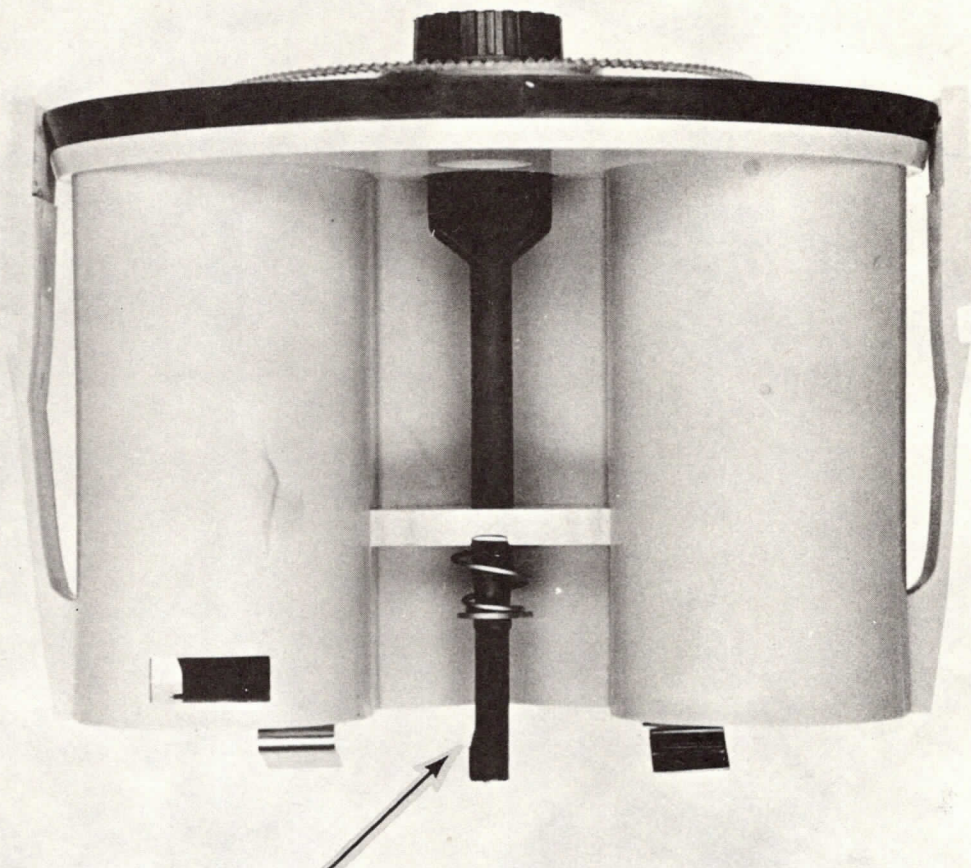
BATTERY TRAY AND
4 SUB-C NI-CAD CELLS (individual)

OLD



16





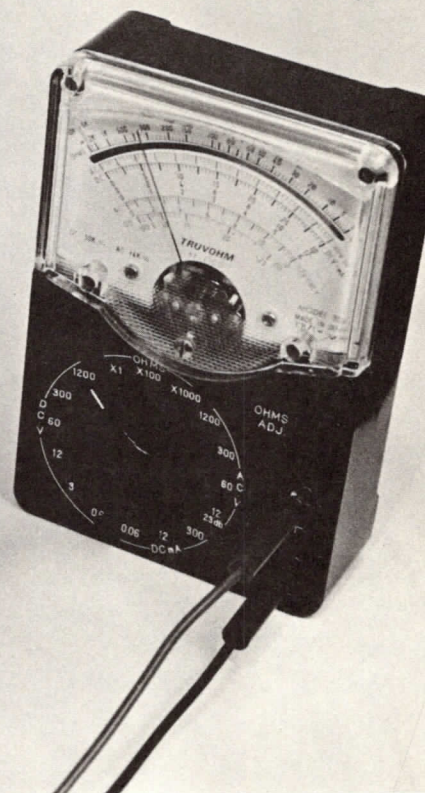
KEYED SHAFT
(AUTO CIRCUIT SWITCH)

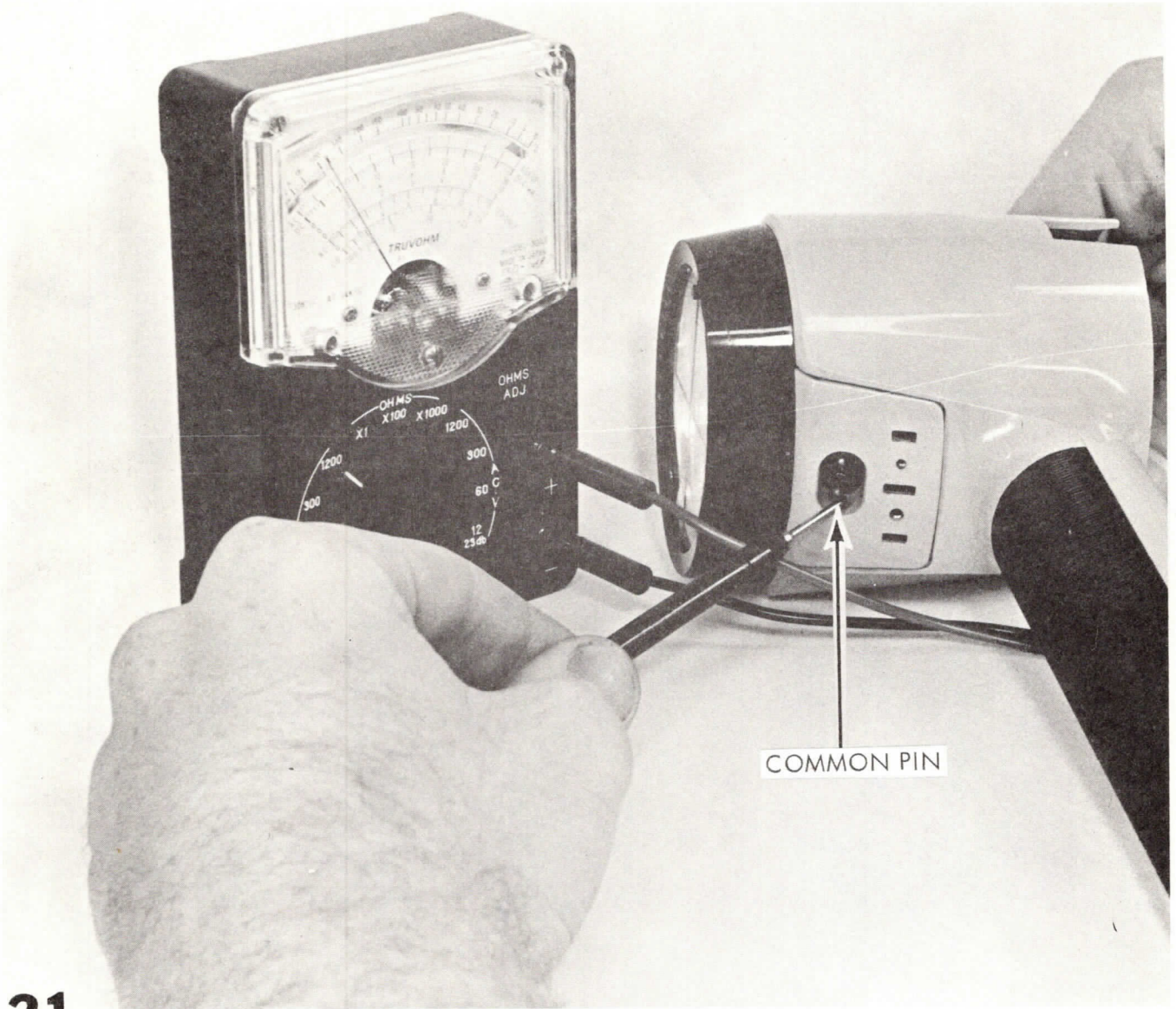


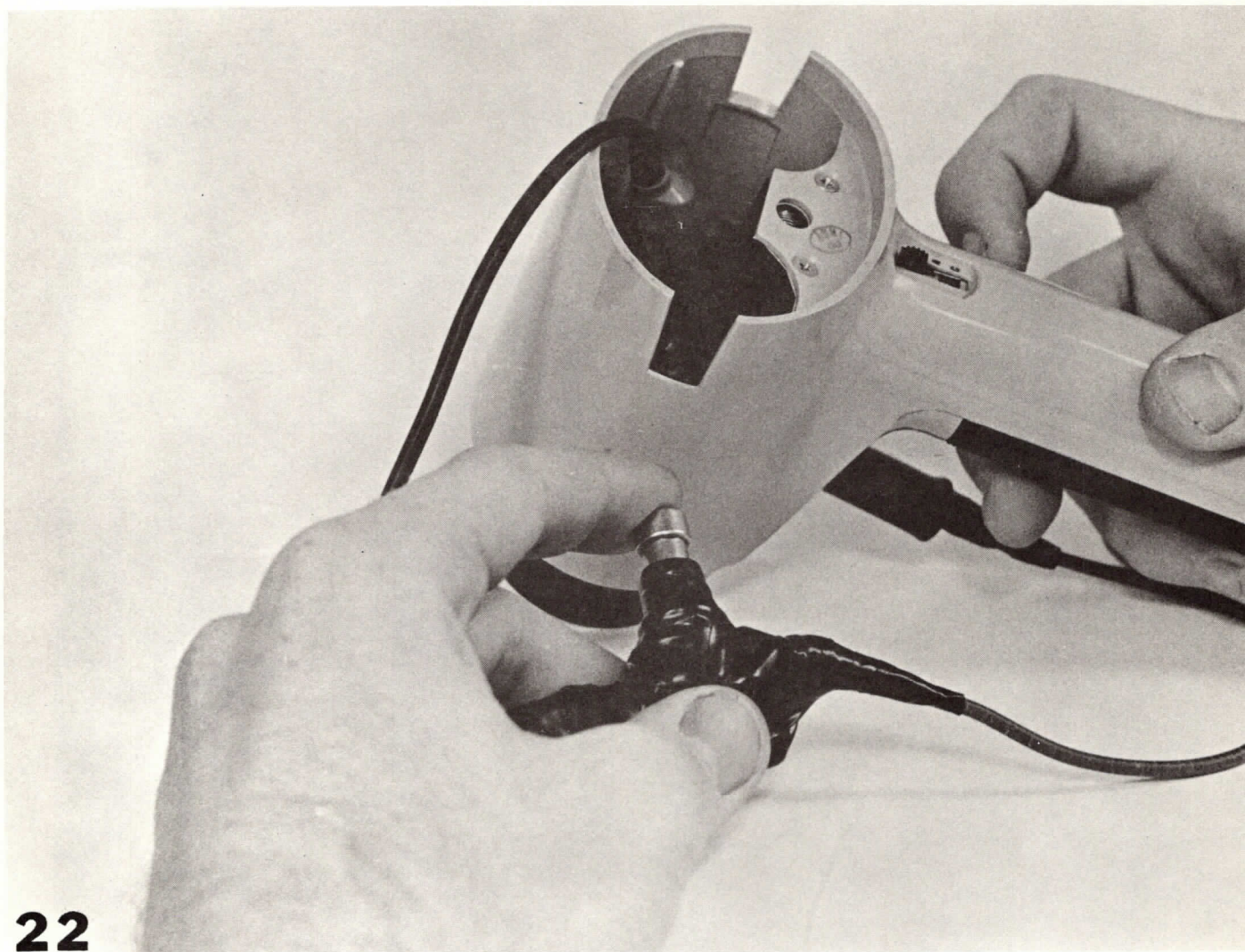
TO CHECK ANODE VOLTAGE (CAPACITOR VOLTAGE),
MEASURE FROM POSITIVE BATTERY CONTACT TO THE
COMMON AC PIN

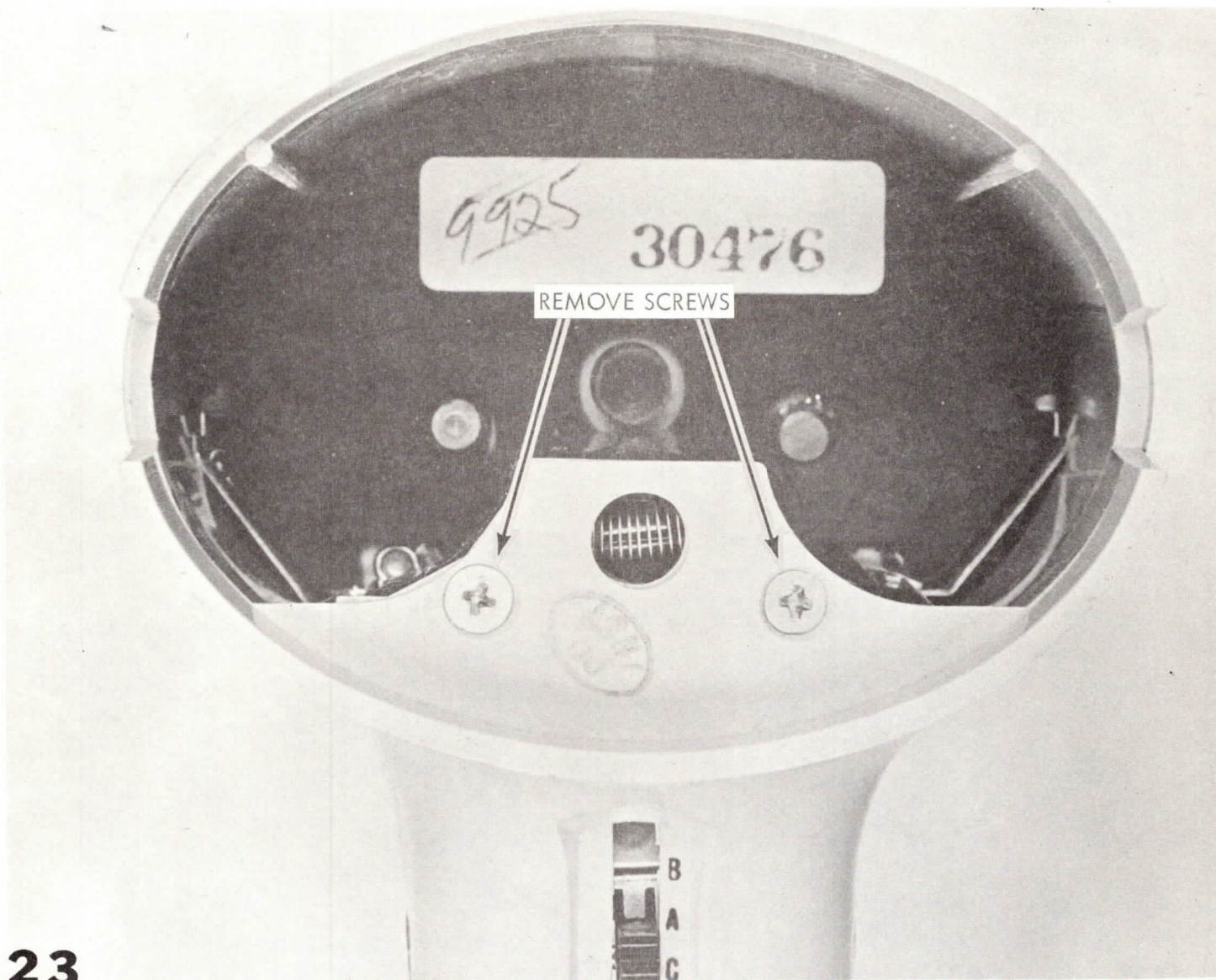
(B-A-C SWITCH MUST BE IN BATTERY POSITION)

BEWARE OF NO
VOLTAGE INDICATION









TO REMOVE HEAD UNIT:

- I. DEPRESS CAP AT THE TOP
AND PULL DOWN AND OUT





2. WITH A SCREWDRIVER
RELEASE THE CATCHES (*)
NEAR THE BOTTOM OF
THE CAP



3. PUSH FROM THE INSIDE

DISCONNECT
CAPACITOR
LEADS

NOTE THE COLOR CODED
LEADS AND THEIR RESPECTIVE
TERMINALS ON THE CAPACITOR

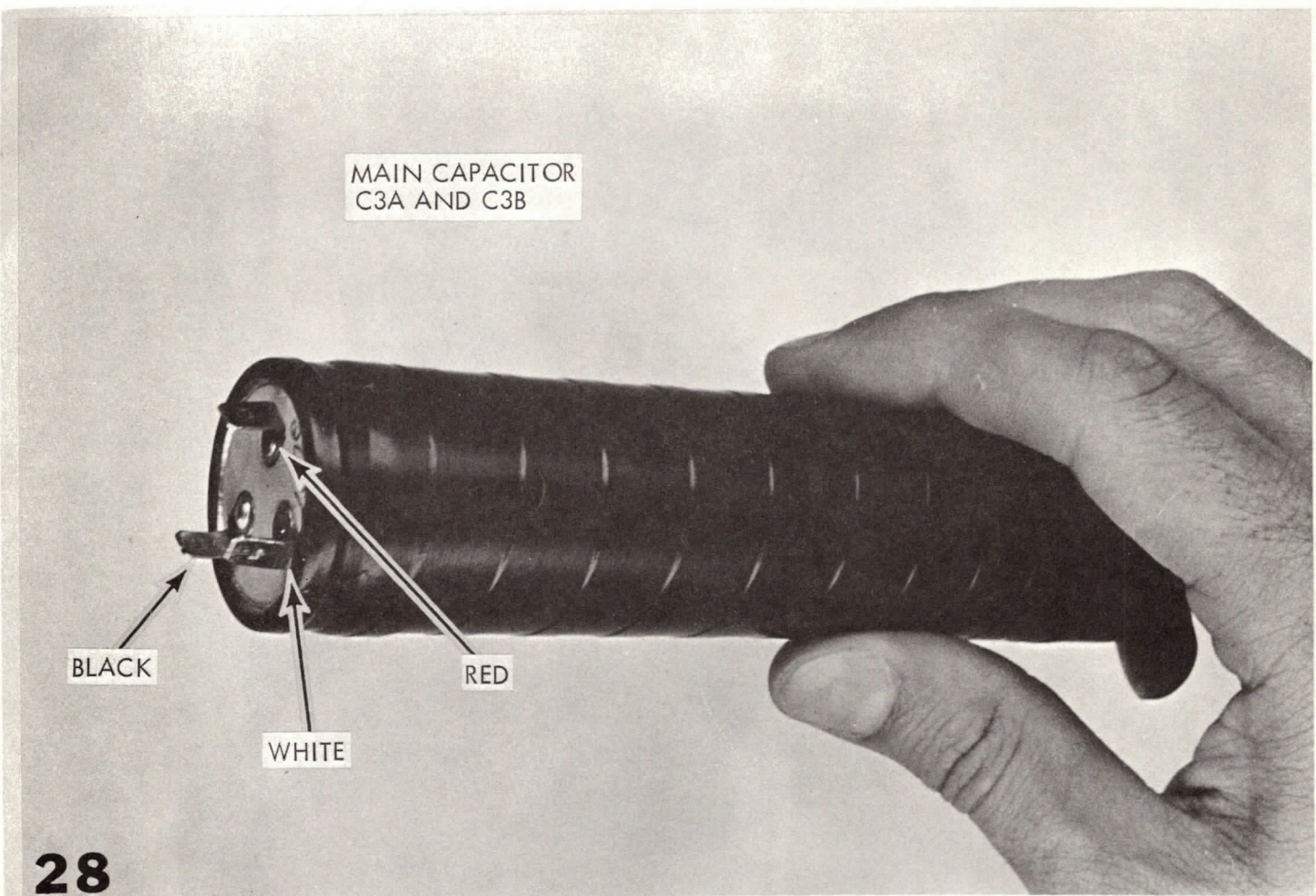


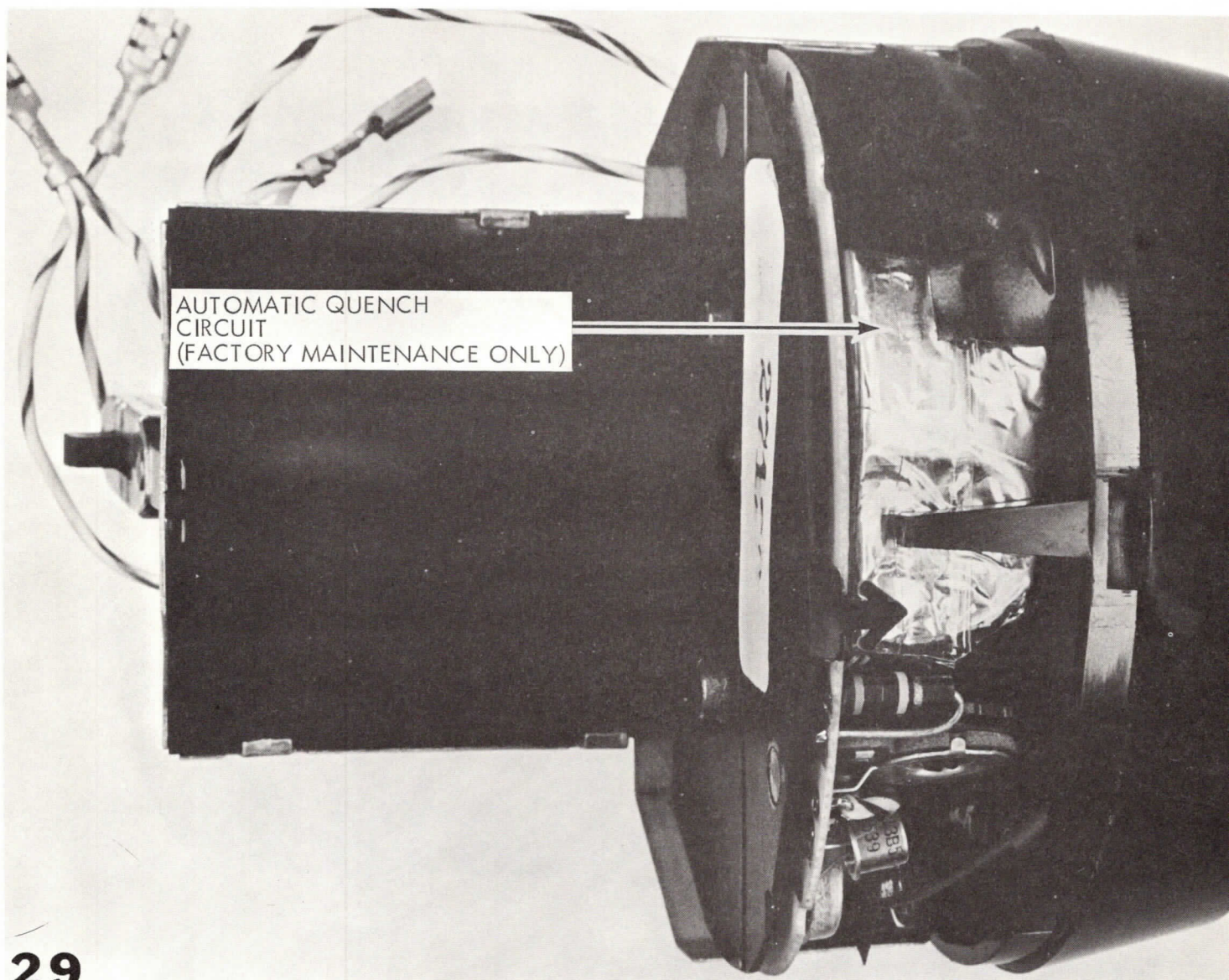
MAIN CAPACITOR
C3A AND C3B

BLACK

WHITE

RED

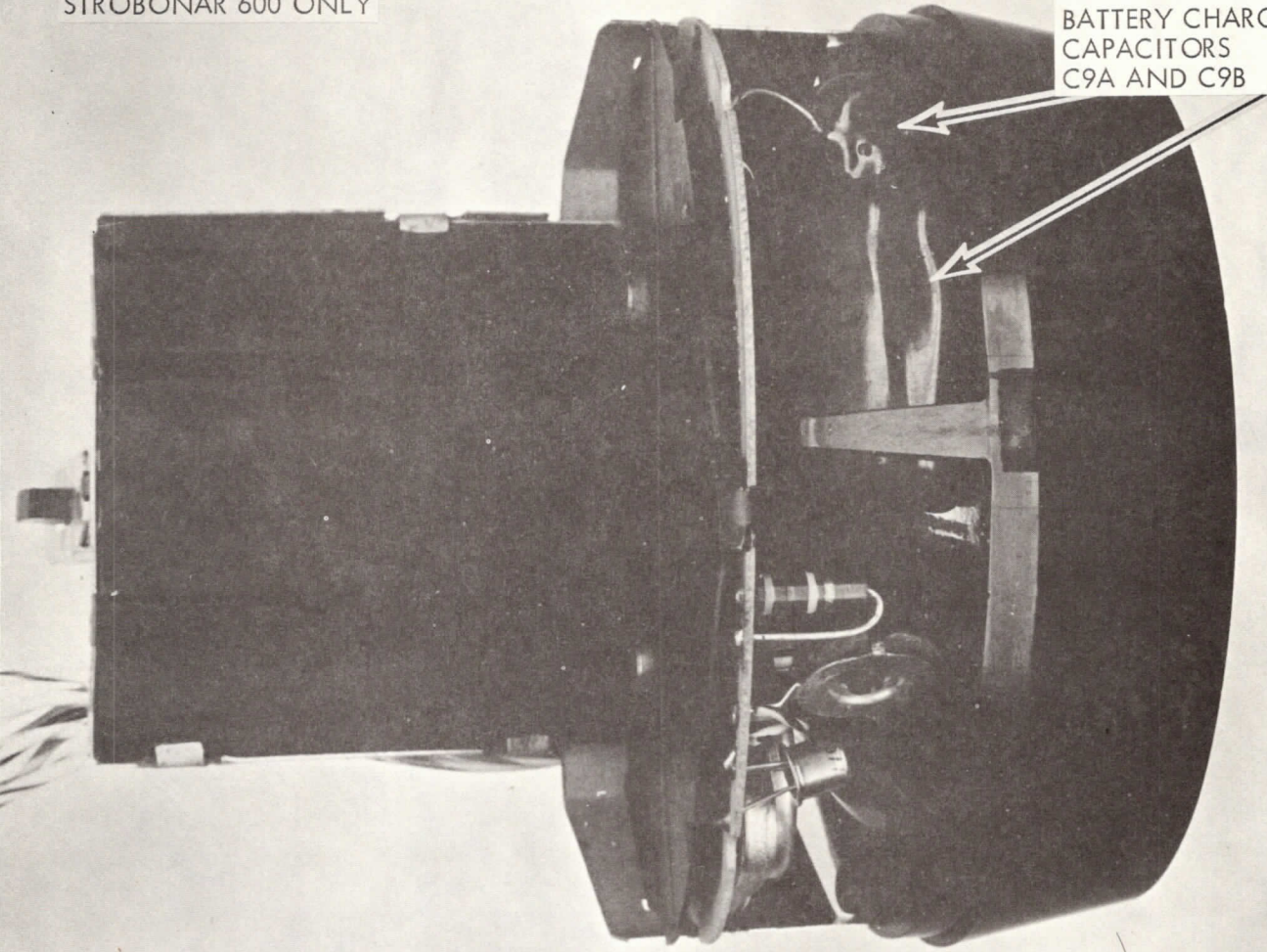


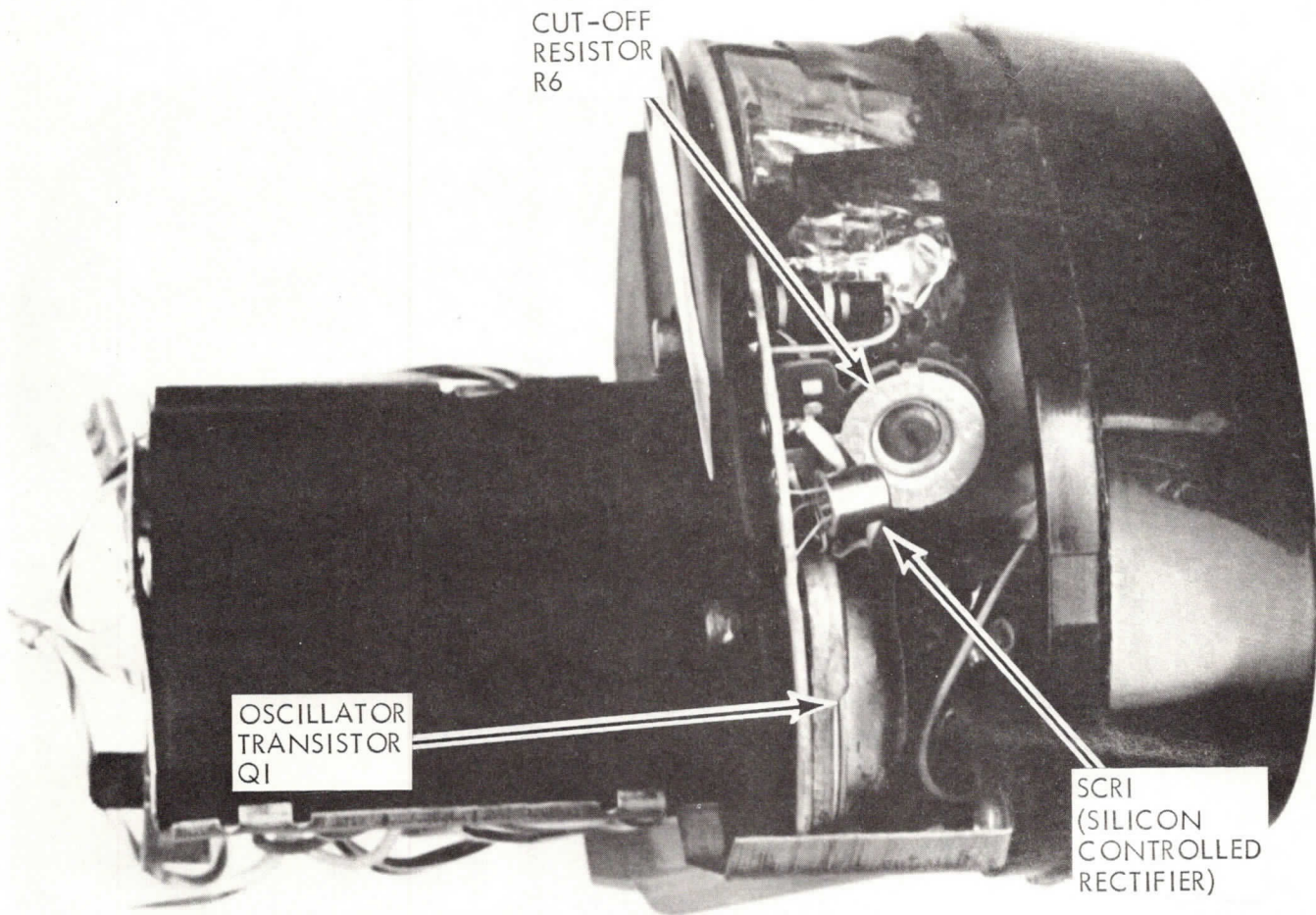


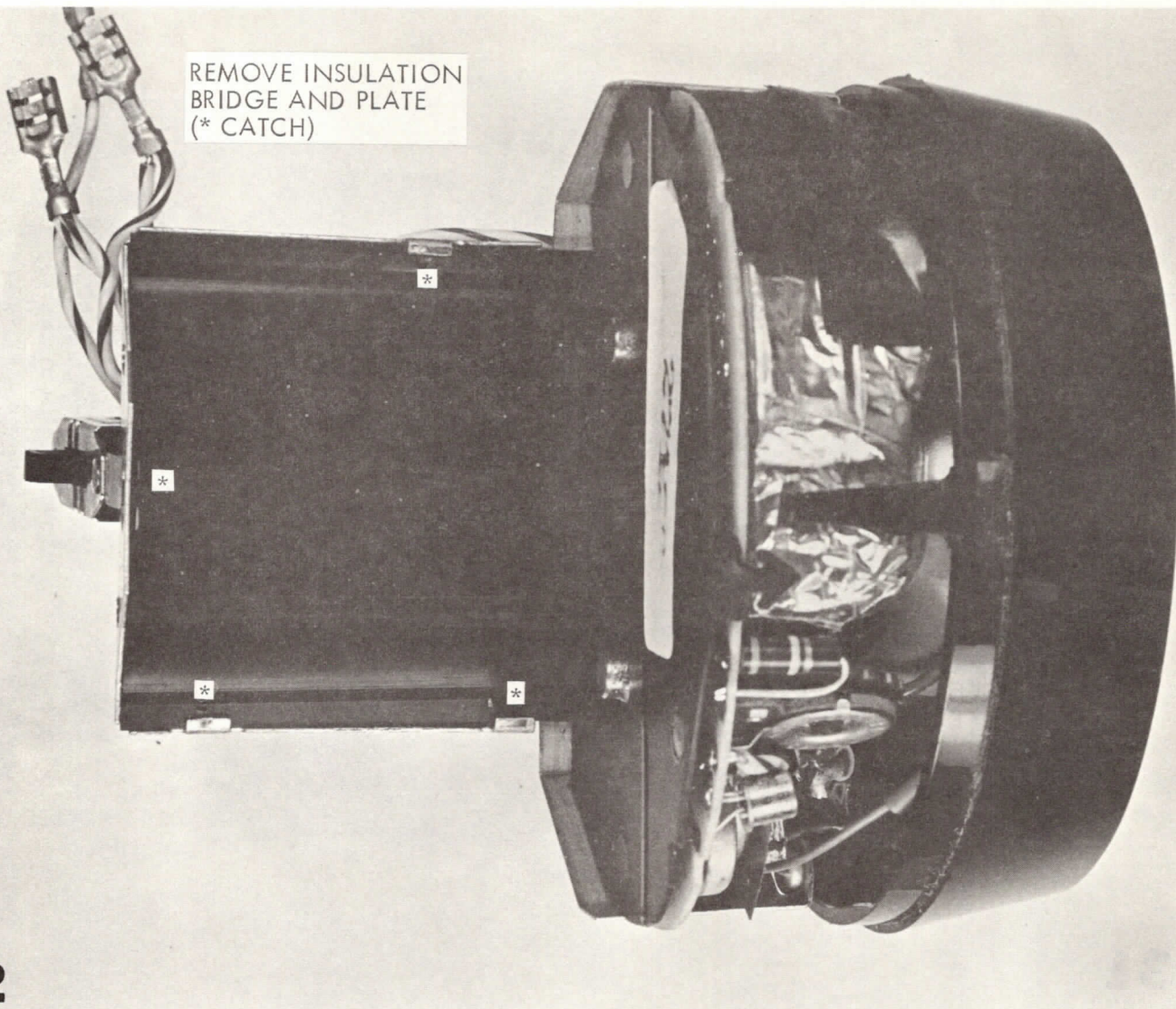
AUTOMATIC QUENCH
CIRCUIT
(FACTORY MAINTENANCE ONLY)

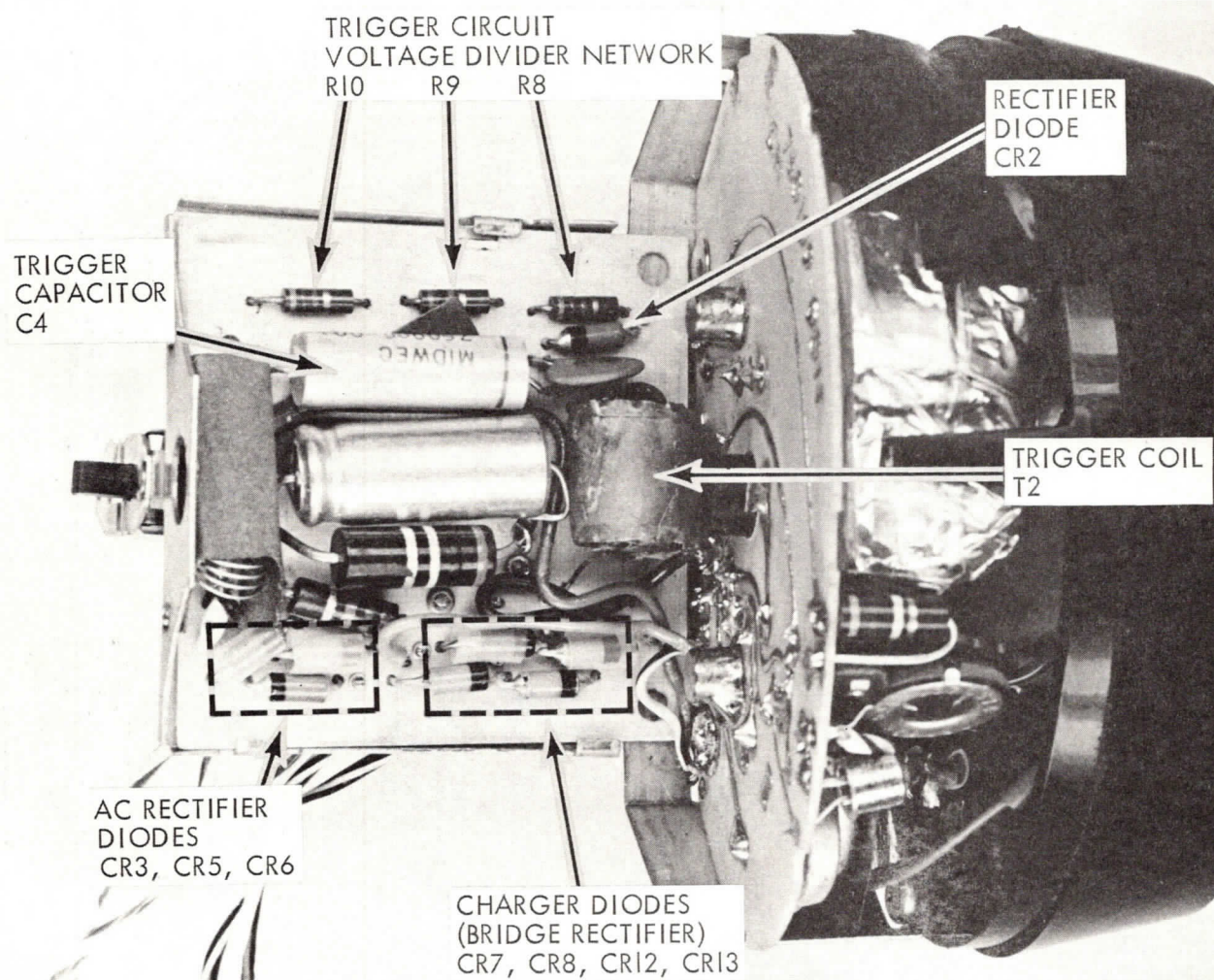
STROBONAR 600 ONLY

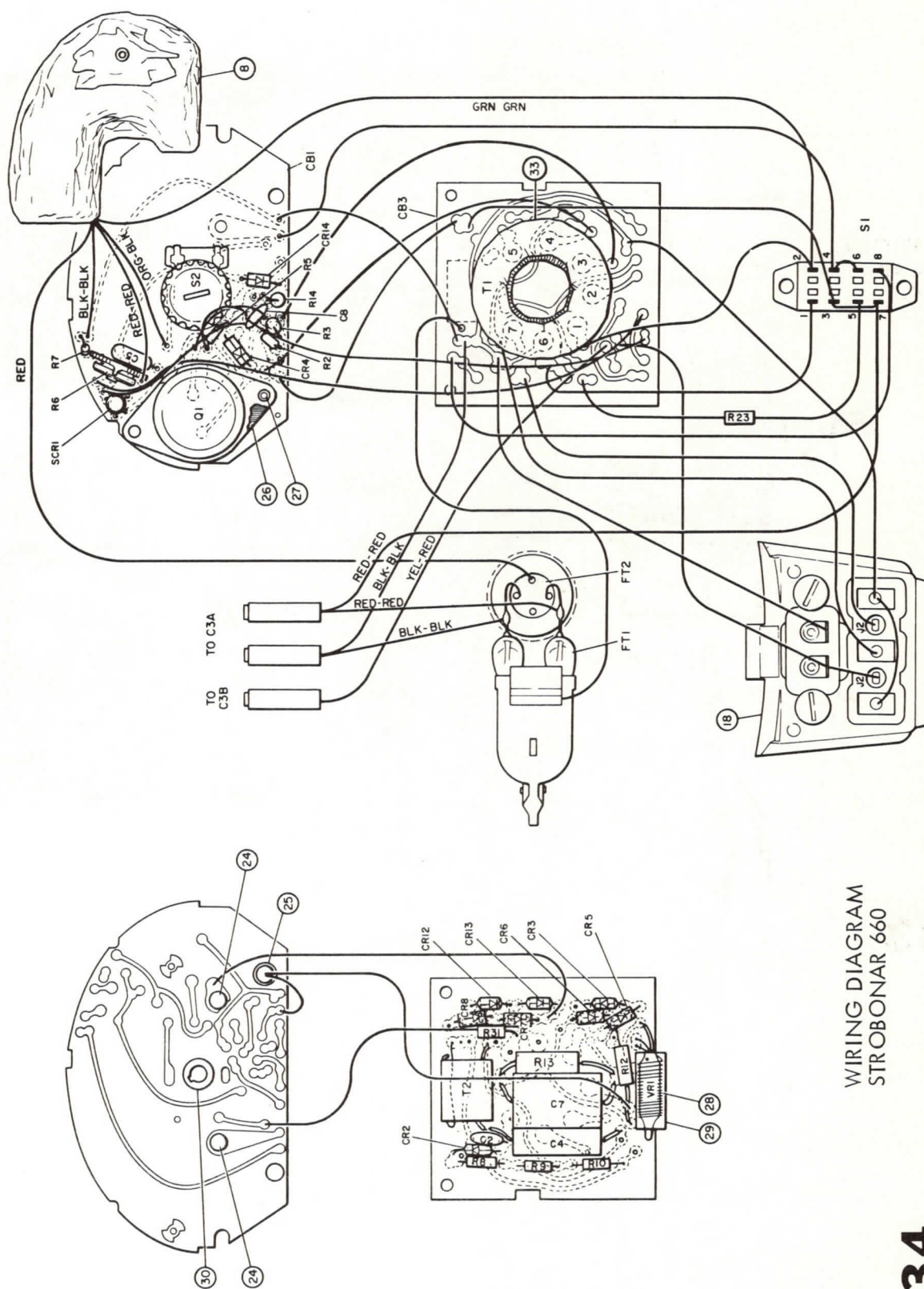
BATTERY CHARGING
CAPACITORS
C9A AND C9B

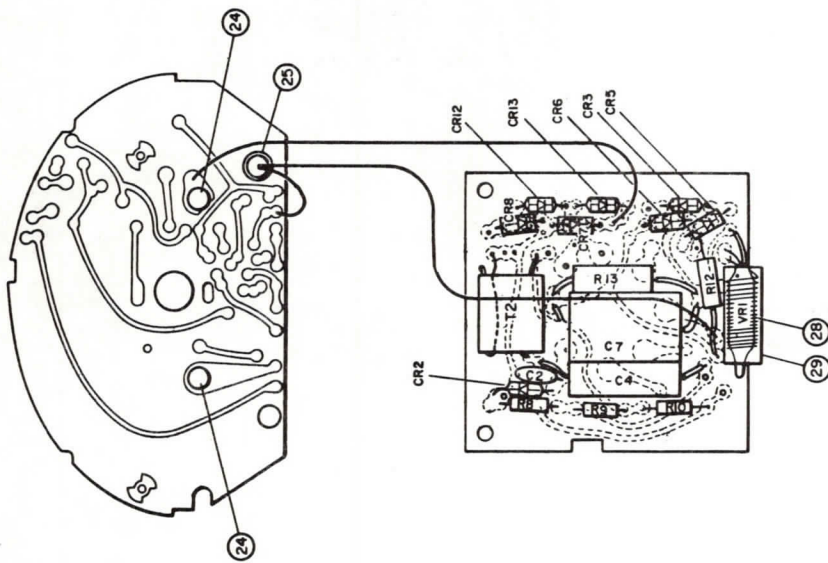




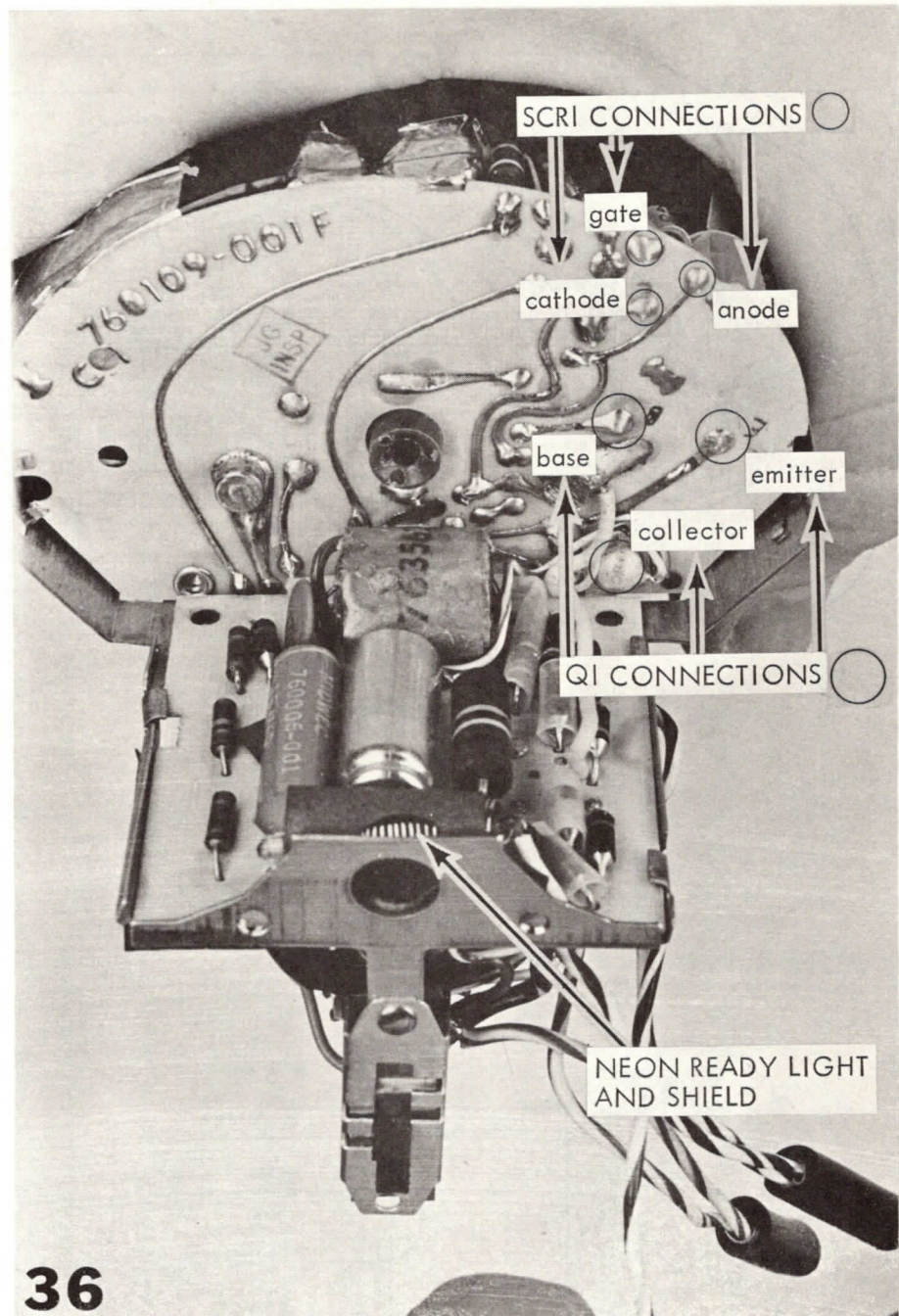


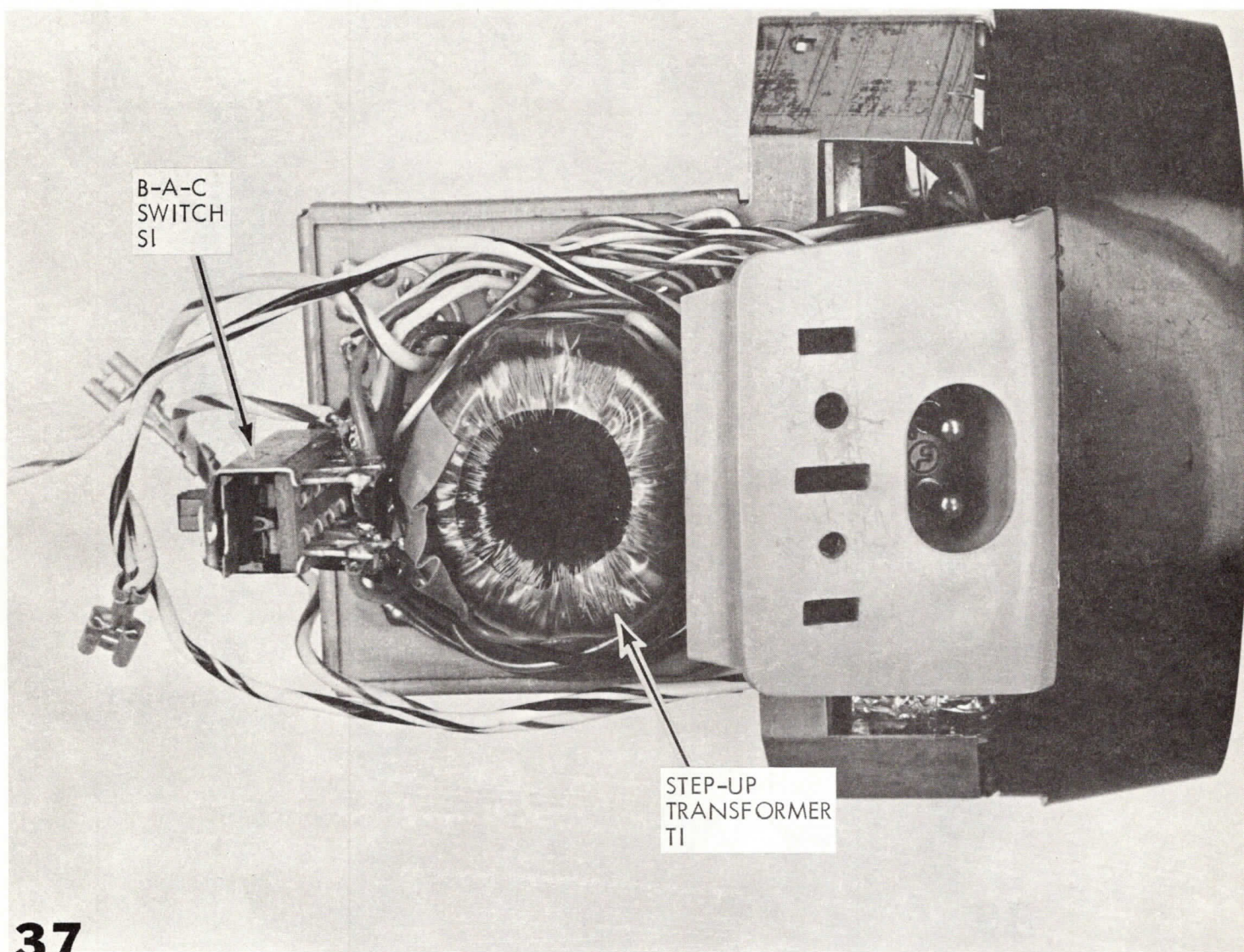


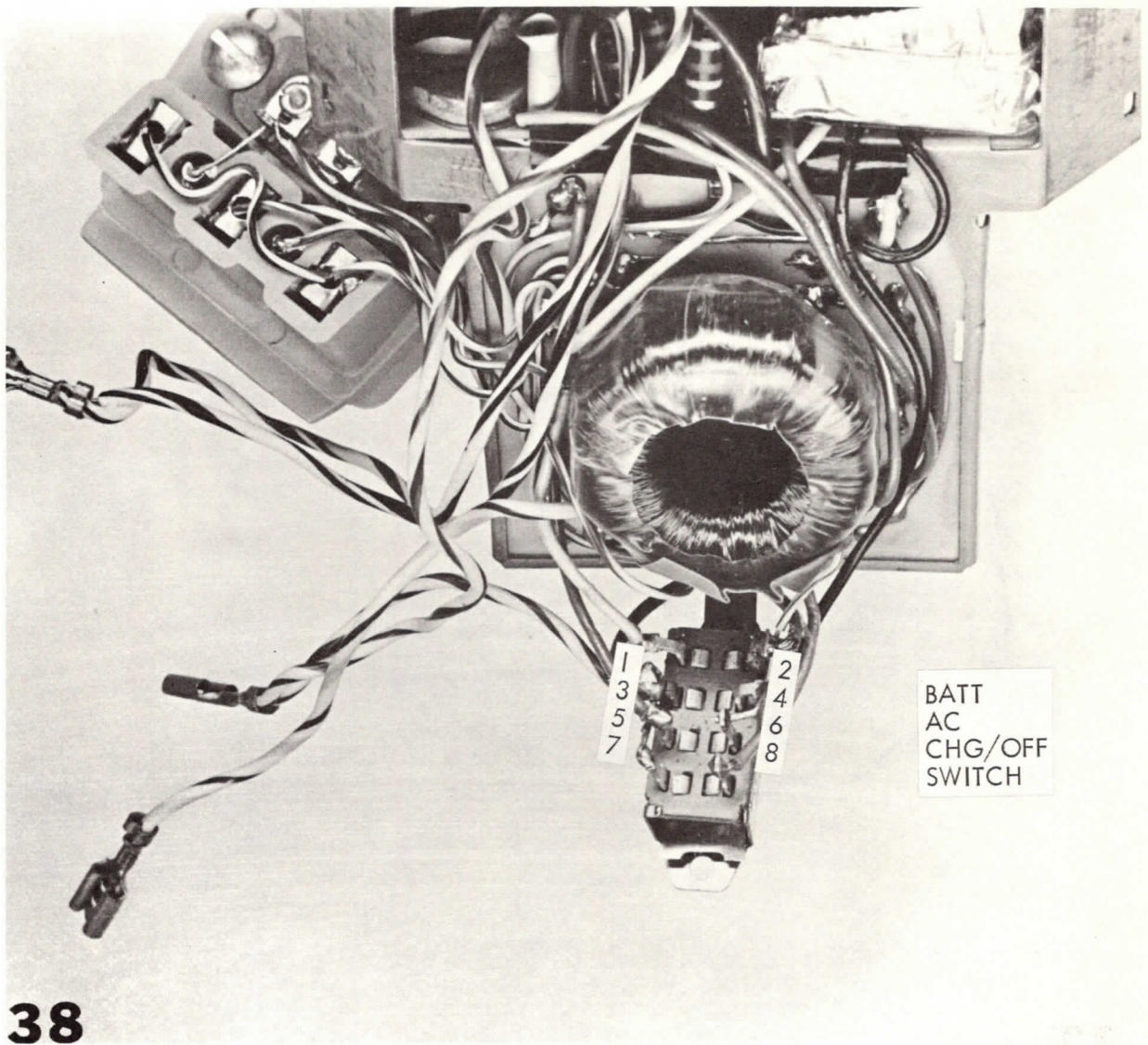




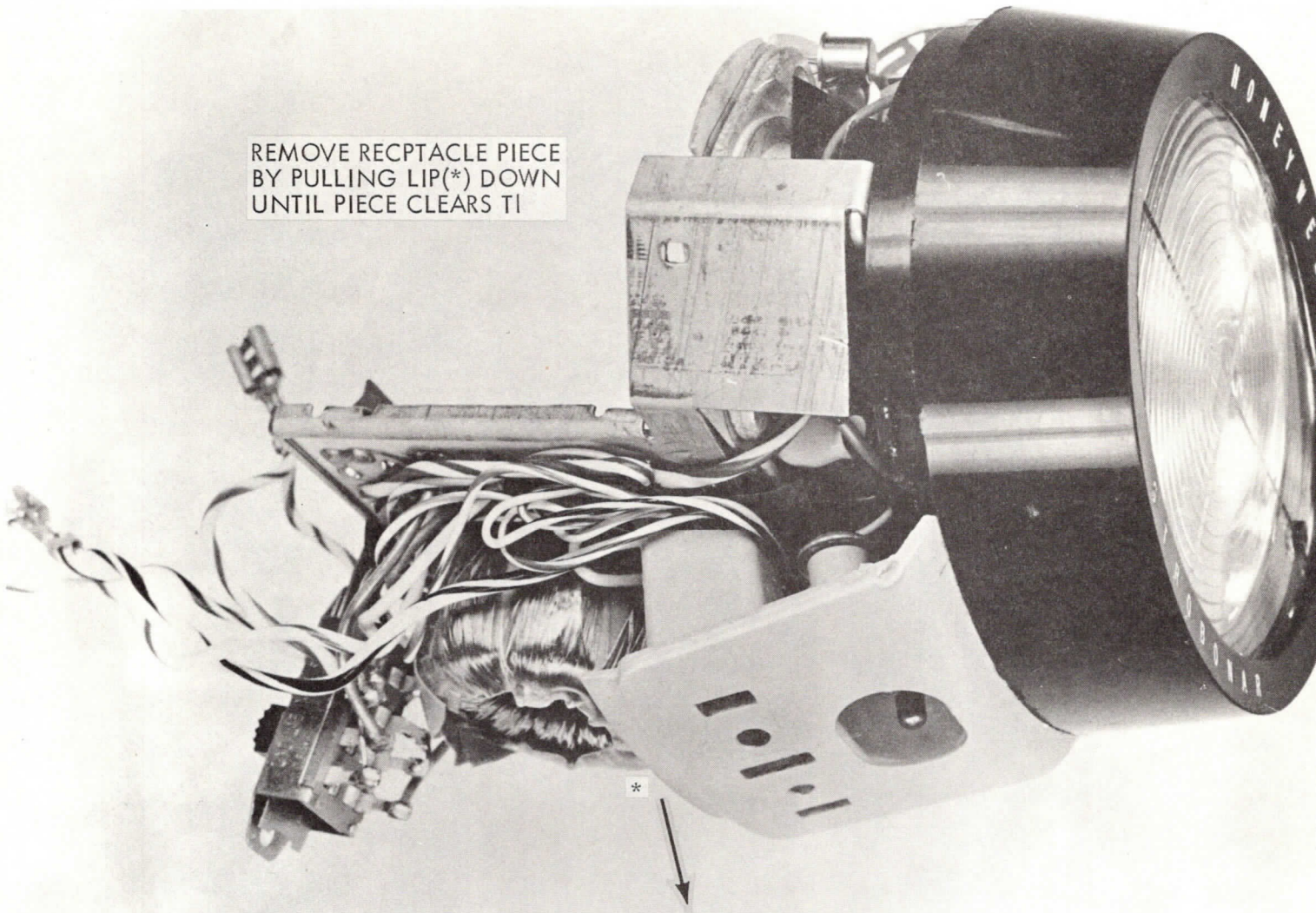
53

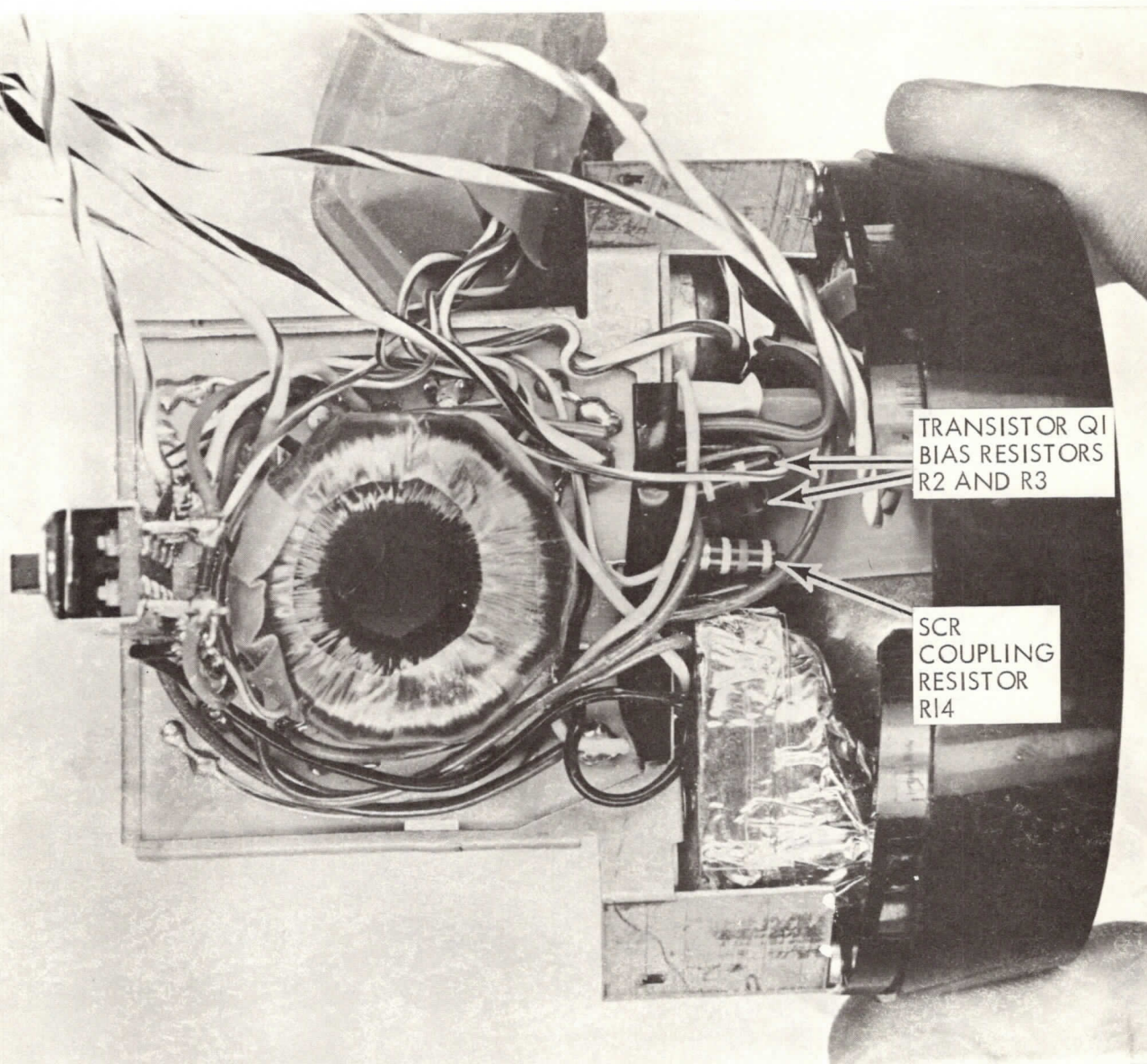






REMOVE RECPTACLE PIECE
BY PULLING LIP(*) DOWN
UNTIL PIECE CLEARS TI

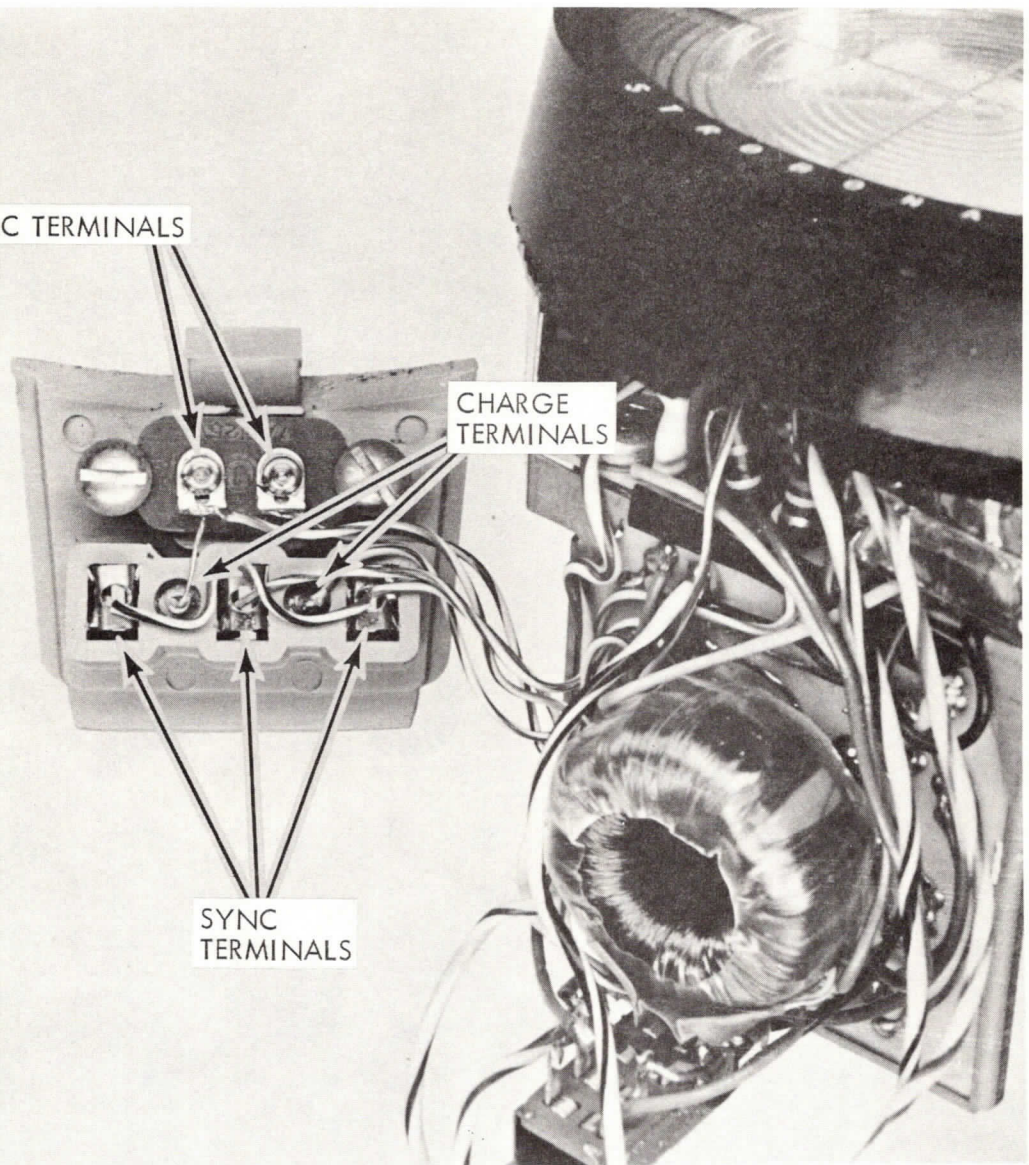


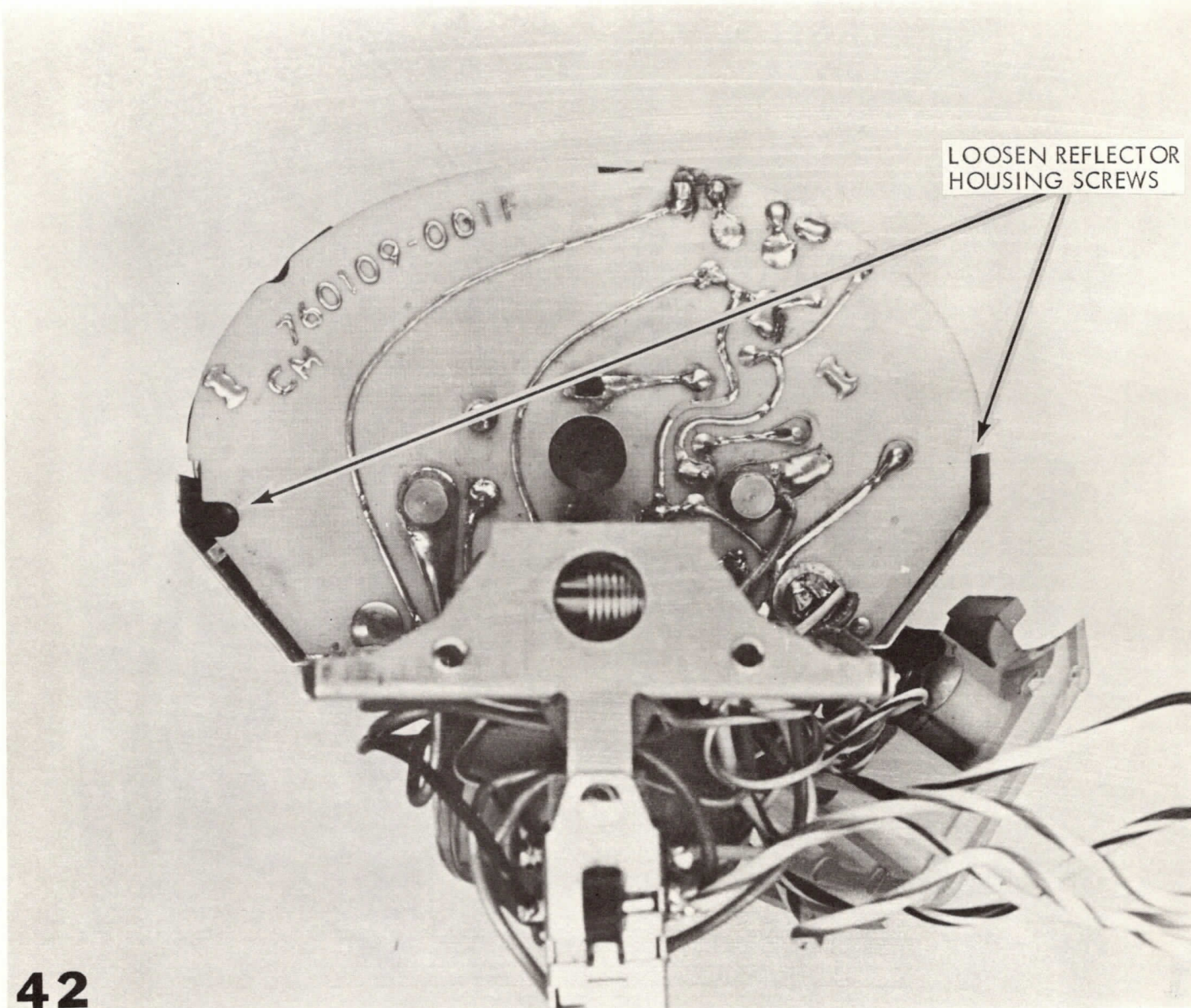


AC TERMINALS

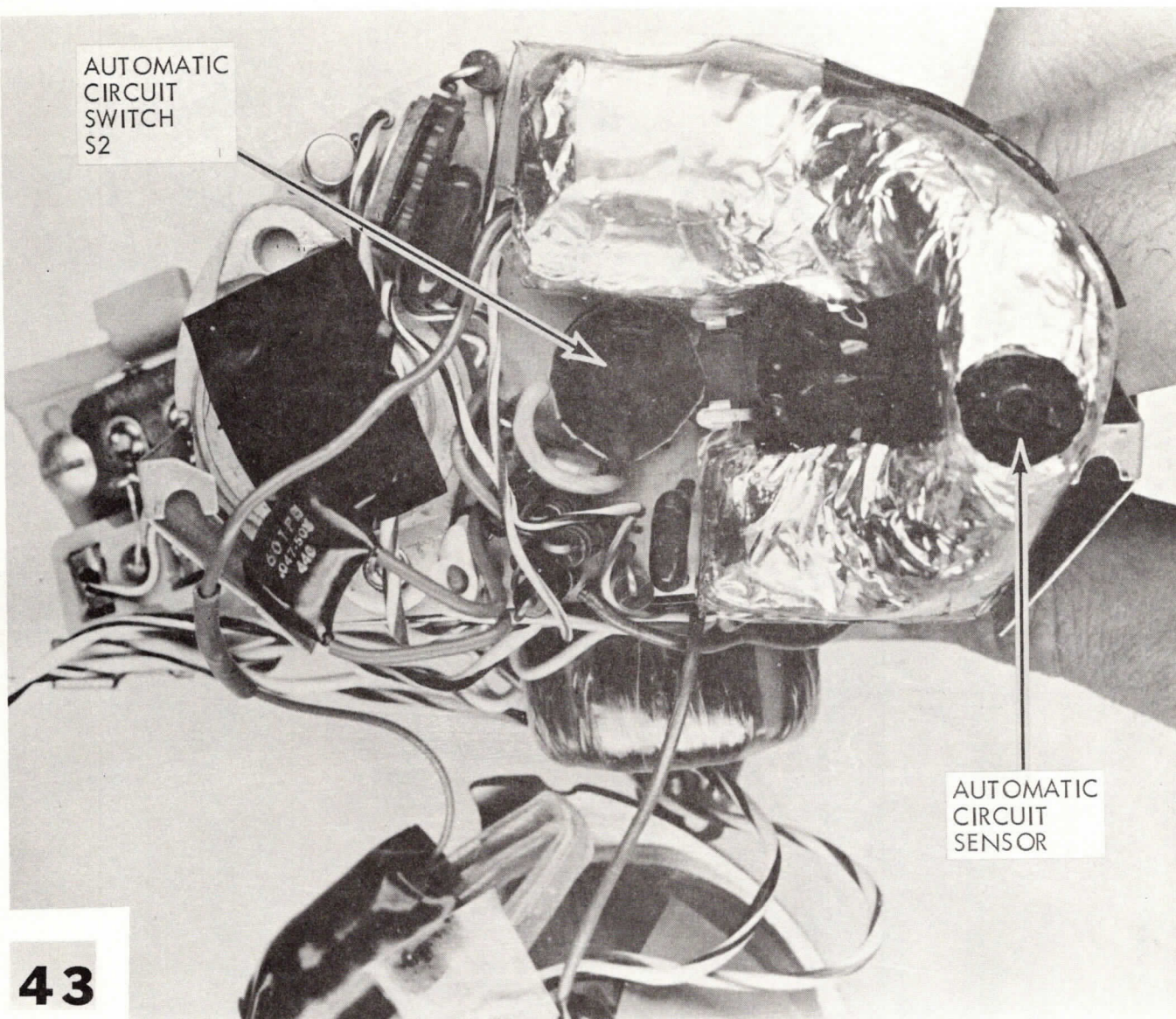
CHARGE
TERMINALS

SYNC
TERMINALS





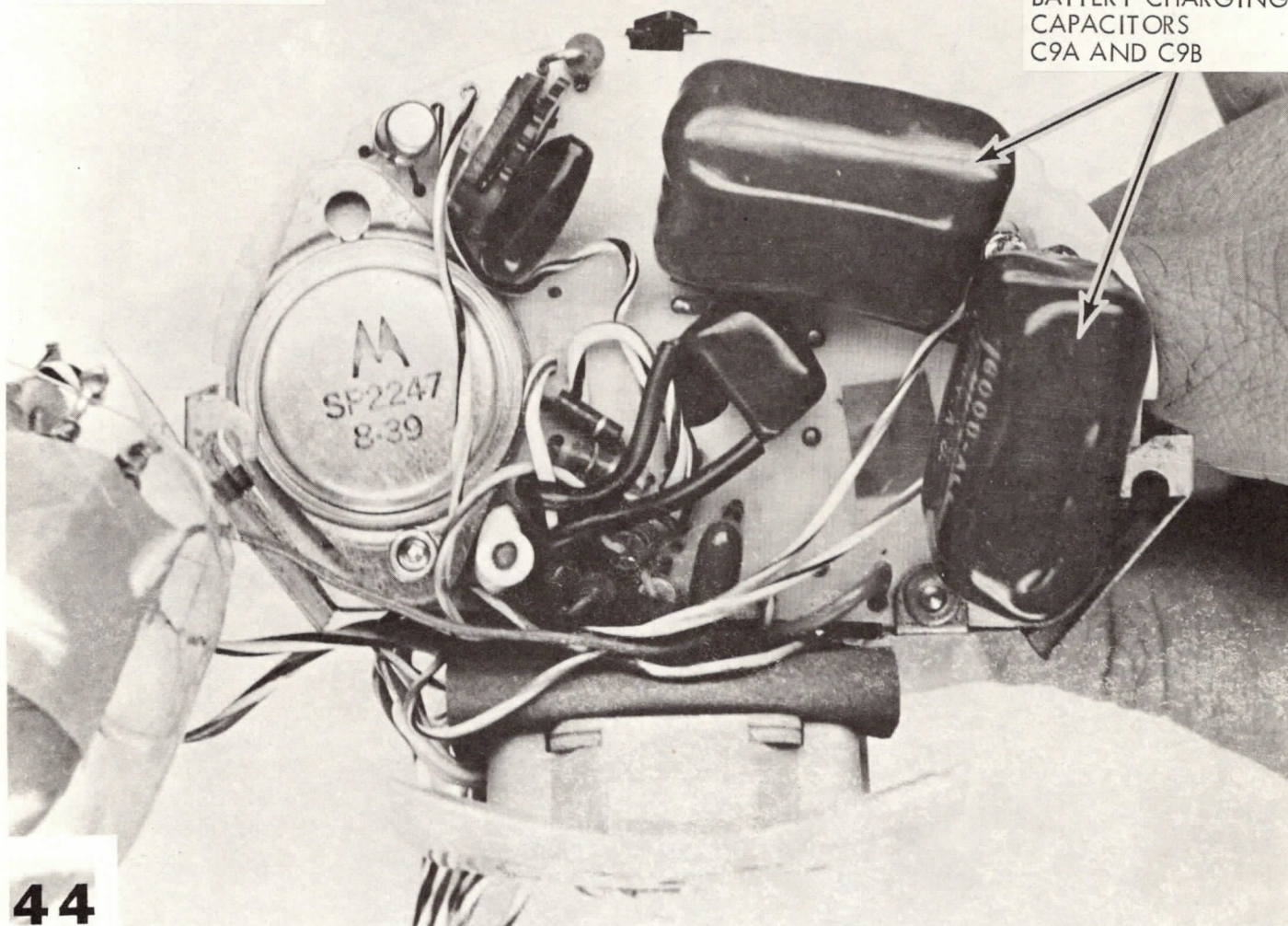
AUTOMATIC
CIRCUIT
SWITCH
S2

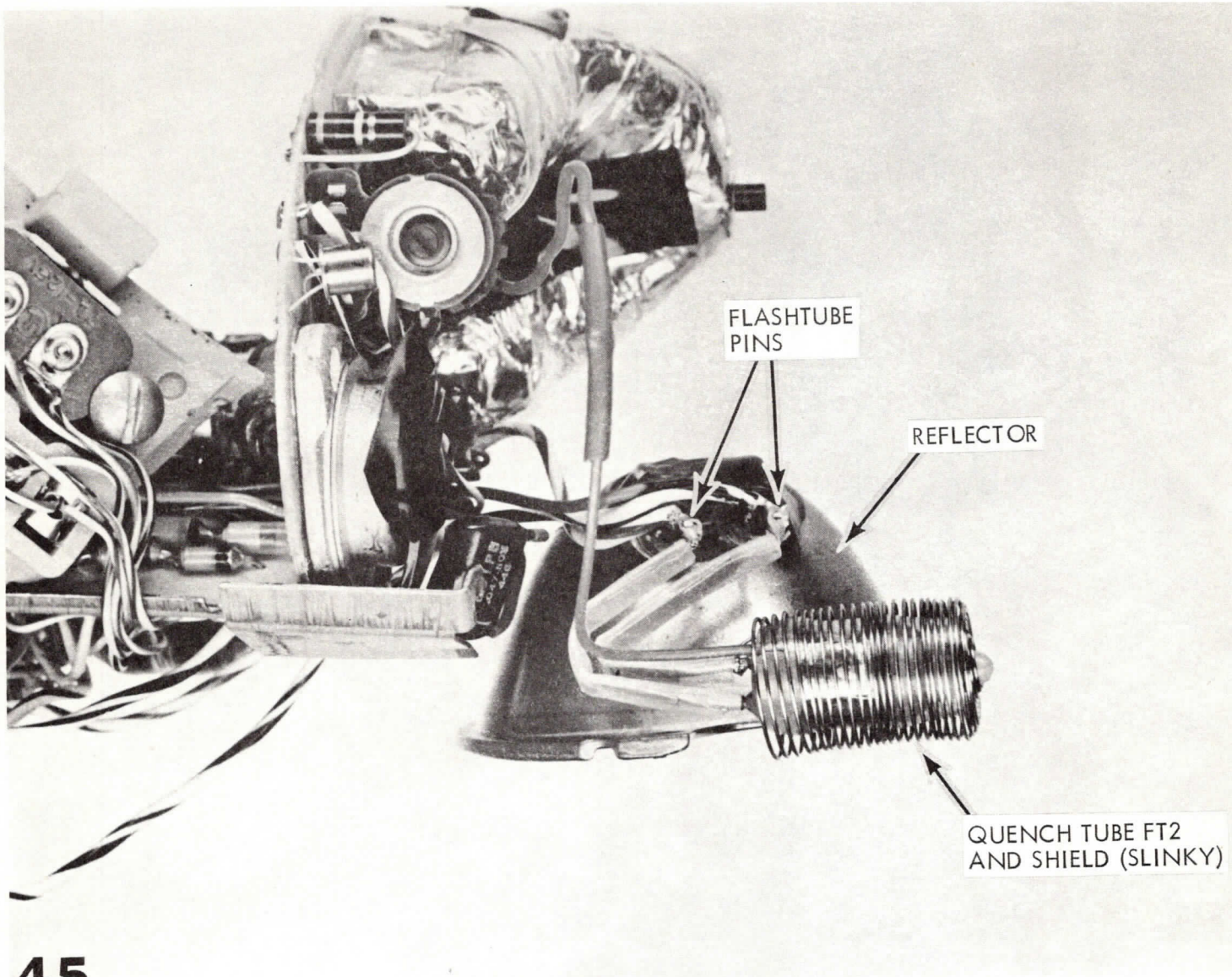


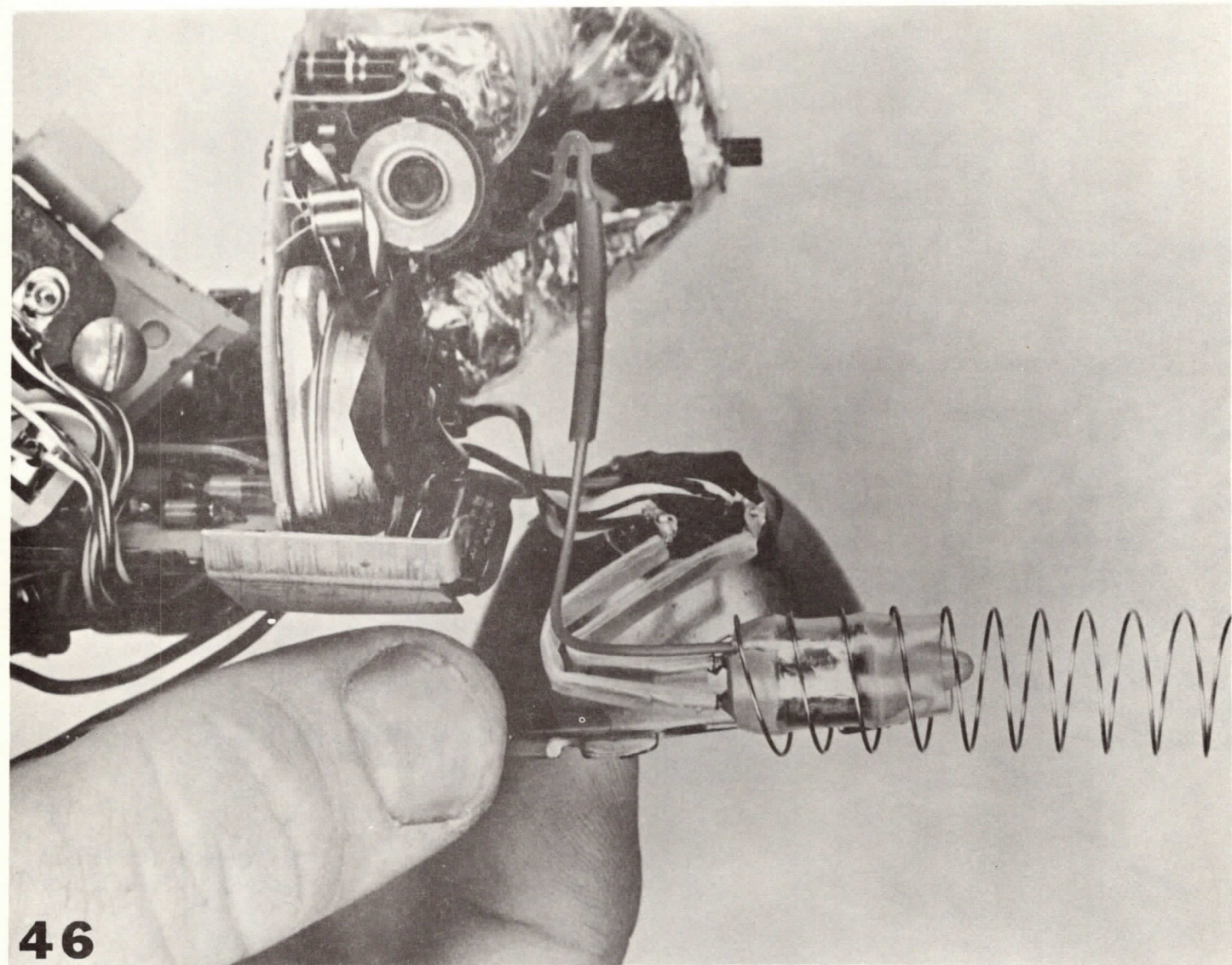
AUTOMATIC
CIRCUIT
SENSOR

STROBONAR 600 ONLY

BATTERY CHARGING
CAPACITORS
C9A AND C9B



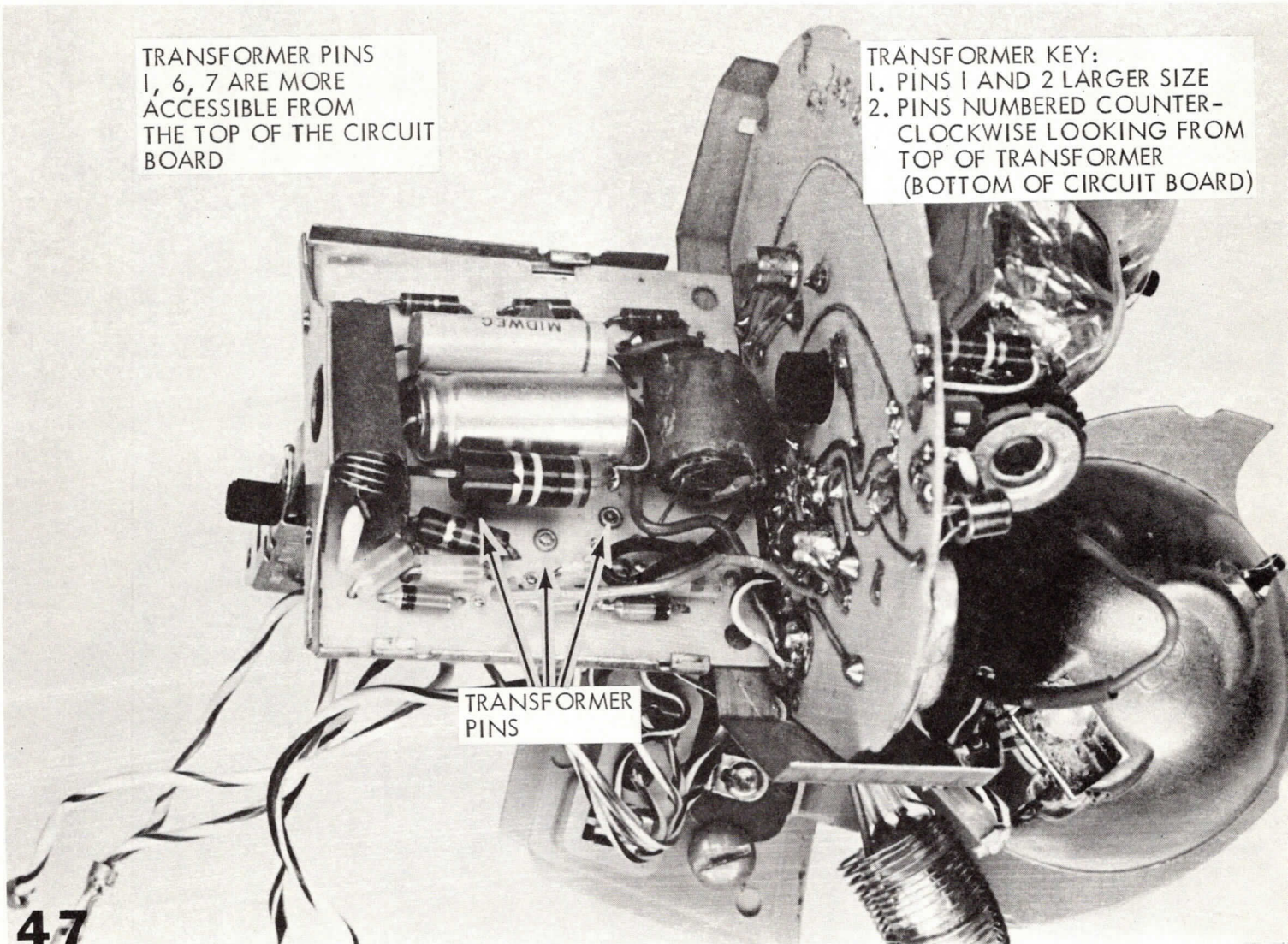


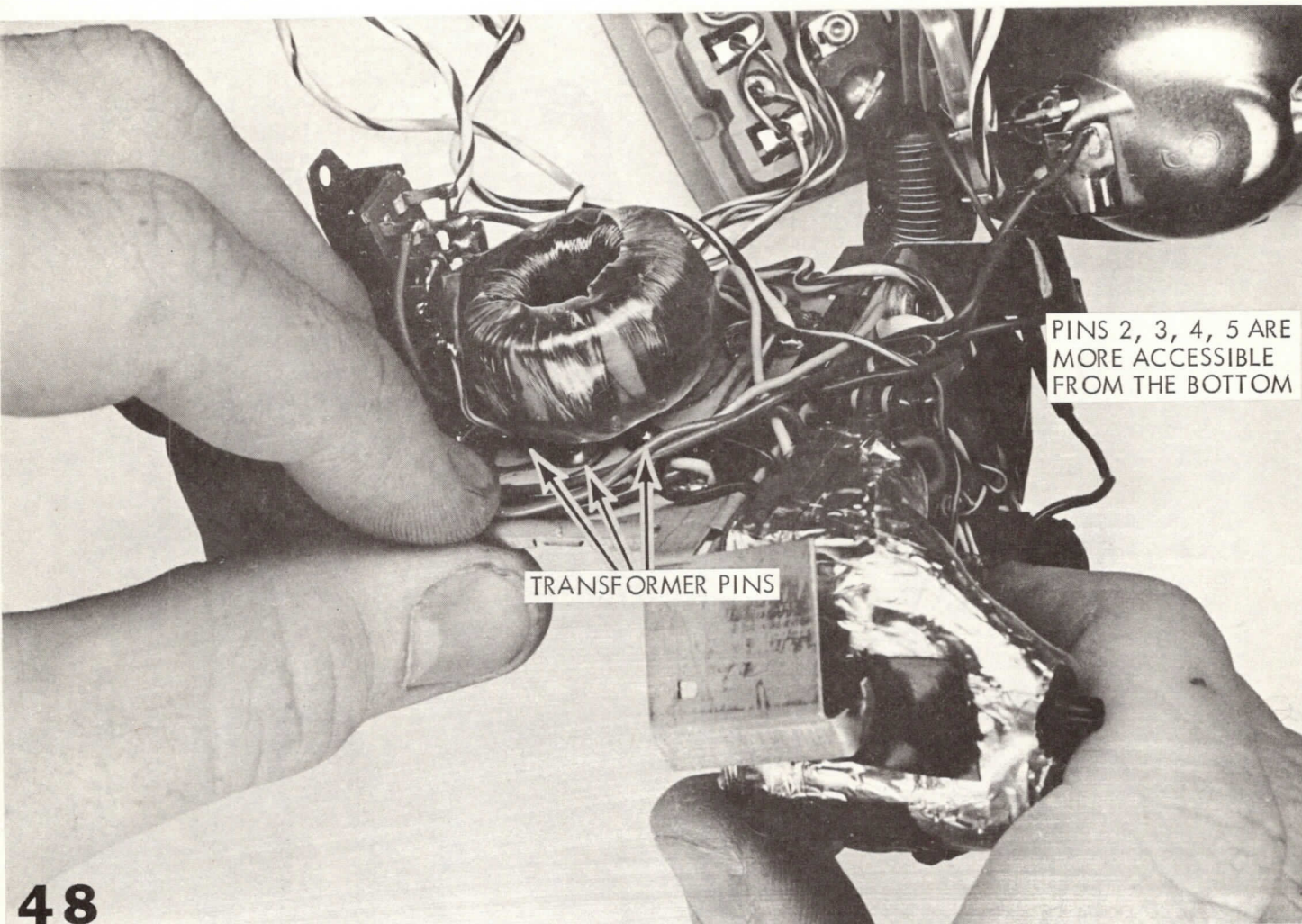


TRANSFORMER PINS
1, 6, 7 ARE MORE
ACCESSIBLE FROM
THE TOP OF THE CIRCUIT
BOARD

TRANSFORMER KEY:
1. PINS 1 AND 2 LARGER SIZE
2. PINS NUMBERED COUNTER-
CLOCKWISE LOOKING FROM
TOP OF TRANSFORMER
(BOTTOM OF CIRCUIT BOARD)

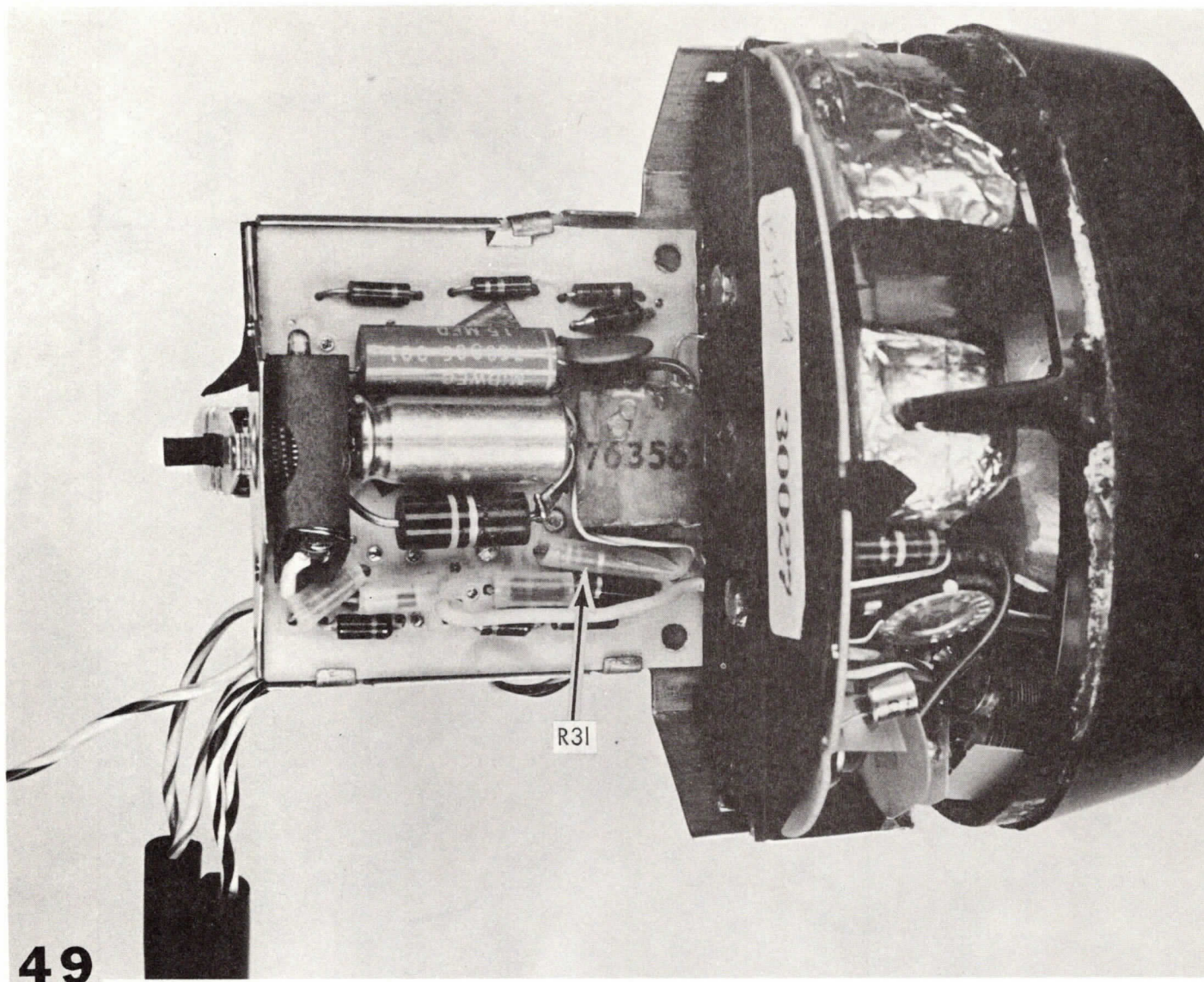
TRANSFORMER
PINS



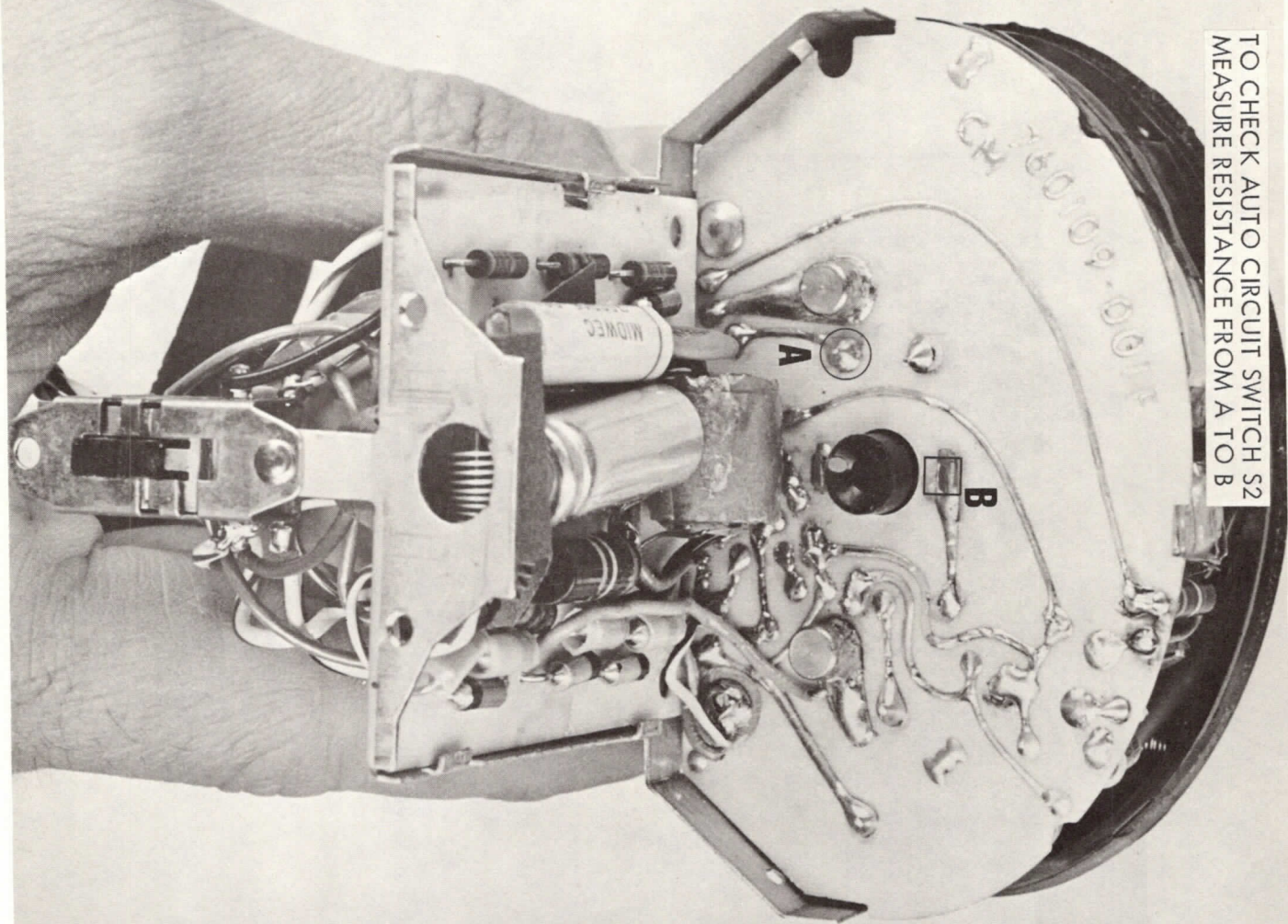


PINS 2, 3, 4, 5 ARE
MORE ACCESSIBLE
FROM THE BOTTOM

TRANSFORMER PINS



TO CHECK AUTO CIRCUIT SWITCH S2
MEASURE RESISTANCE FROM A TO B

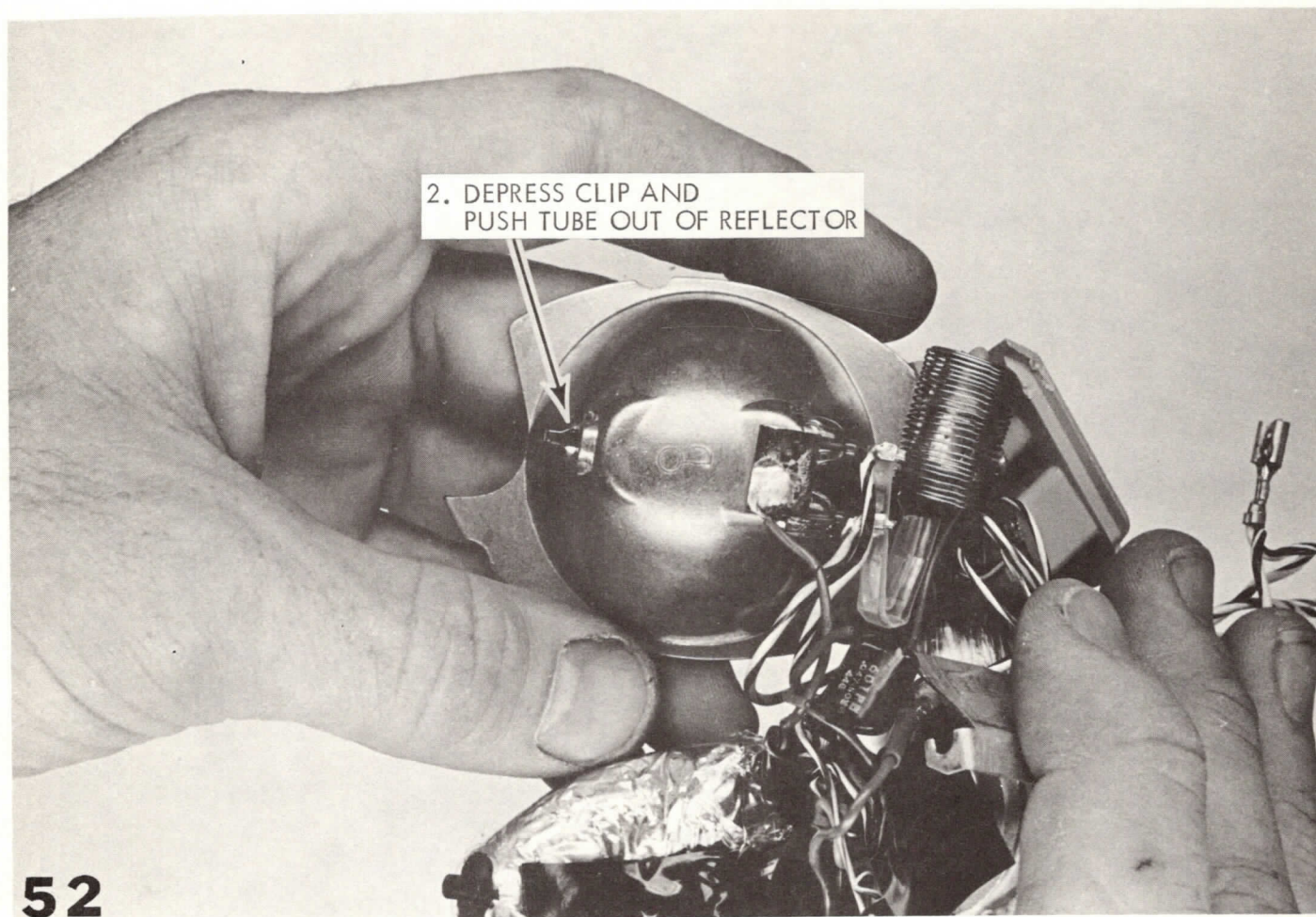




TO REMOVE FLASHTUBE
I. REMOVE INSULATING TAPE

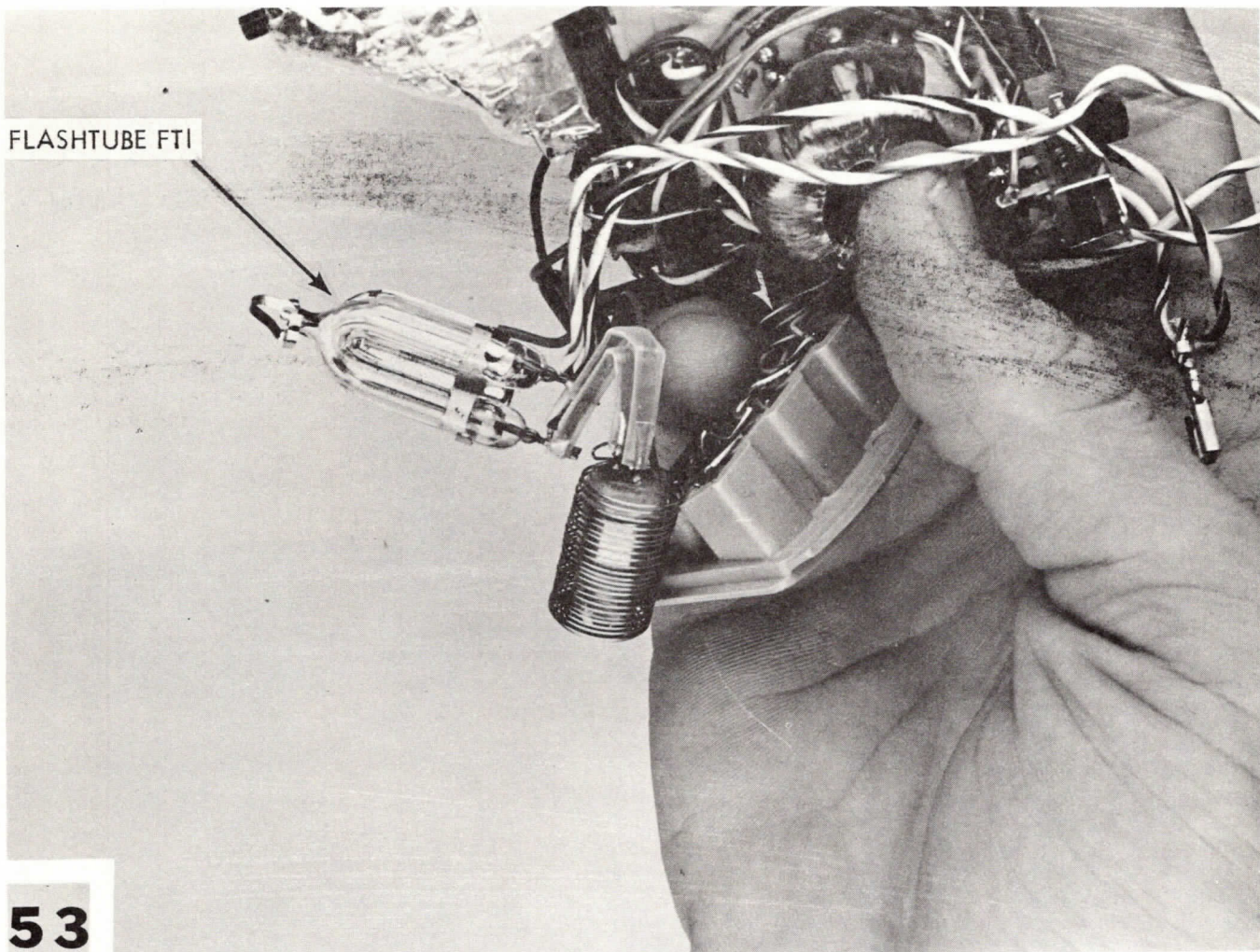
51

2. DEPRESS CLIP AND
PUSH TUBE OUT OF REFLECTOR



FLASHTUBE FTI

53



NORMAL CUT-OFF VOLTAGE
420-480 VDC

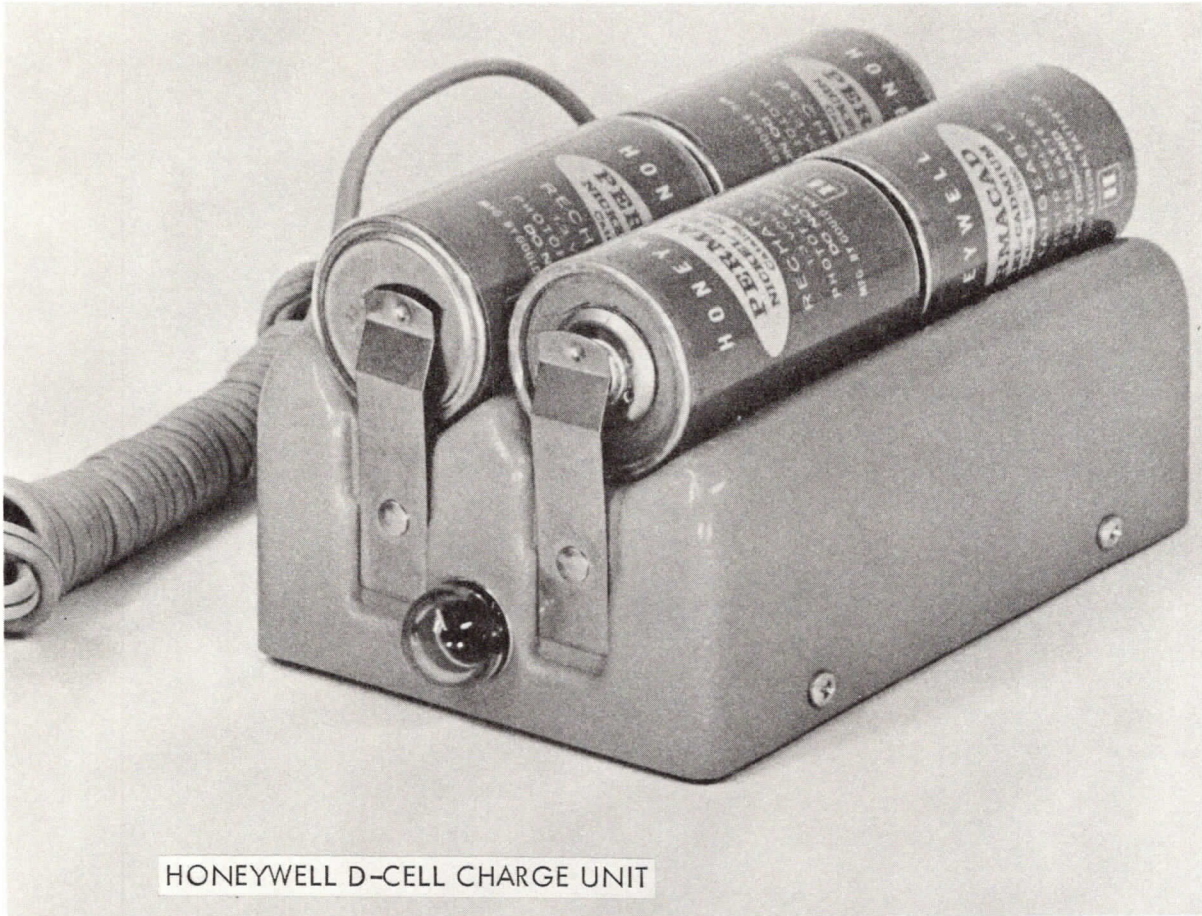
DECREASE CUT-OFF VOLTAGE

INCREASE CUT-OFF VOLTAGE

WHEN INSERTING HEAD
INTO HOUSING, SWITCH
SHOULD BE IN THE CHG/OFF
POSITION AND BENT SLIGHTLY
OUTWARD







HONEYWELL D-CELL CHARGE UNIT